

Manufacturers Record

Export of America

\$6.50 per Year.
Single Copy, 20 Cents.

Baltimore, Md.
FEBRUARY 12, 1925

Sir George Paish Gives an English View* of How Our Economic Policies Should Be Changed.

Sir George Paish, one of England's foremost financial authorities and financial adviser during the War to the British Government, in this week's issue of the *Manufacturers Record* presents with remarkable frankness his view of the things that America should do. Included in this list is the breaking down of all of our tariff, the opening of our country to the rush of foreign immigration, and the development of internationalism in place of nationalism, which in effect would be the putting of world affairs before American affairs.

It is a remarkably frank statement, but when studied we do not think it will win any favor from American people. It seems rather surprising to us that Sir George should feel justified, after staying in this country a few weeks in financial negotiations, to give to the American people through this letter his ideas as to what policy should be pursued by this country. Its very frankness is suggestive. The scheme as outlined indicates what the internationalists of the world are trying to accomplish. But Sir George's own country, England, has never followed internationalism in the broad sense in which he suggests it for the United States, nor has that country sunk its own individuality and independence, from altruistic reasons, for the good of the world. Indeed, England has always given the world to understand that it needed no advice from outside as to its domestic affairs.

The letter of Sir George and our reply thereto will be found in this issue, and we invite the attention of our readers to his very remarkable statements.

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PUBLISHED EVERY THURSDAY BY THE

MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, corner Commerce and Water Sts., Baltimore, Maryland.

RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;
I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer

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BRANCH OFFICES:

CHICAGO, 11 So. La Salle St. NEW YORK, 901 Singer Bldg.
CINCINNATI, 923 Union Trust Bldg.

SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers if available and not over one month old, 20 cents each. From one month to six months old, 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

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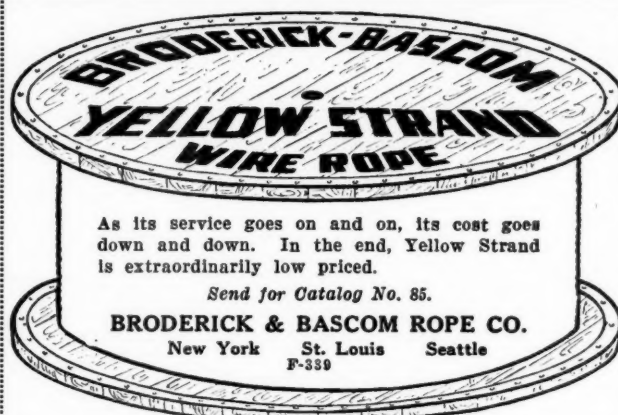
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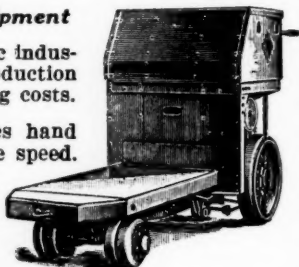
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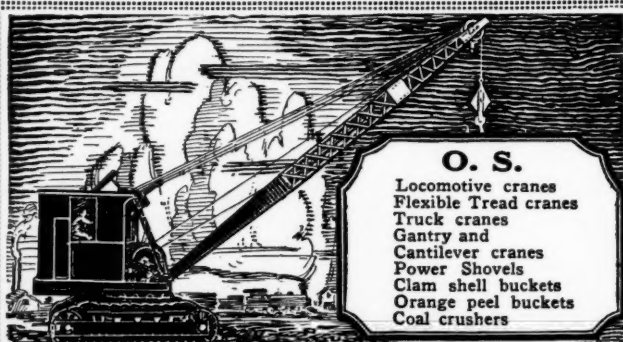
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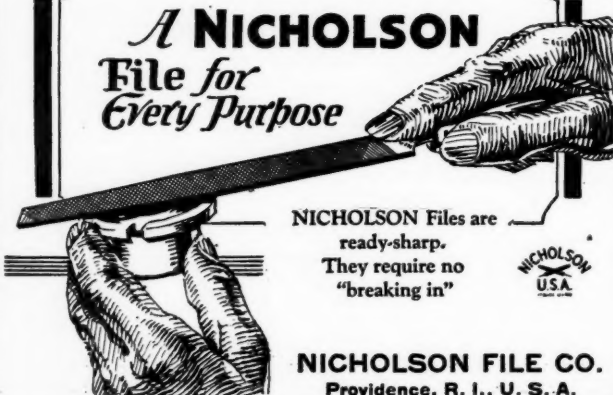
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Vol. LXXXVII No. 71
Weekly

BALTIMORE, FEBRUARY 12, 1925.

{ Single Copies, 20 Cents.
\$6.50 a Year.

Sir George Paish, Financial Adviser During the War to British Government, Writes Manufacturers Record What American Economic Policy Should Be.

SIR GEORGE PAISH, in a letter to the MANUFACTURERS RECORD written shortly before he sailed for Europe a few weeks ago, said:

"Did I not think that my suggestion for a low, or no, tariff and a new immigration policy were best for the United States I would not be here.

"I do not think it right or just to propose a policy to any individual or nation which is not in line with its best interest.

"The United States territory is now fully occupied. There is little or no more land available except by methods of irrigation.

"Were it not so, you would not have cut down the number of your immigrants, and this means that if you are to continue to make the progress that your character and capacity merit you must now base your welfare not only on national well-being, but upon international well-being as well.

"The nation that bases its welfare and well-being upon the welfare of not far short of 2,000,000,000 people is far better than the nation that bases its welfare upon the well-being of only 113,000,000 people.

"The very fact that you are today loaning to the world as freely as you are indicates further that you have not in your own country the opportunity you used to have of investing all your capital at home.

"The nation that pursues two opposite policies at the same moment is very apt to come to grief.

"You are, however, loaning abroad freely, but you are at the same time doing your best to prevent your debtors from paying you either principal or interest, as they can pay only in products or services.

"If you wish to remain a world banker then you must become a world trader. That is, you must be willing not only to sell freely but to buy freely. This policy will not in any way injure your home industries. On the contrary, it will greatly benefit them.

"There is no limit to the consumptive power of the American people. The only limit is their power to sell their goods both in the home and in the foreign market, and their willingness to buy both in the home and foreign market in return.

"It is quite true that the amount of luxury in this country is greater than in any other country in the world. But, at the same time, the great mass of your people have not reached by any means the limit of their consumptive capacity, and they can well buy from other nations in proportion as other nations need to buy from them.

"Your own experience in the United States of preventing the erection of tariff barriers between the states, and the extraordinary beneficial results that have come from this,

is an indication of the results that would follow from the removal of all tariff barriers throughout the world.

"What the situation demands is a vast expansion in international and national income such as followed the removal of the physical barriers between nations, and I cannot see any way of bringing this about except by removal of the tariff barriers which will enable the nations to exchange their goods with still greater freedom."

This letter from Sir George is internationalism in its rankest kind, and with all due respect to him and his high standing in the financial circles of the world, we are compelled to take issue with every point that he makes in his letter. Moreover, it seems quite out of place for an English financial adviser to that Government to carry on a propaganda in this country against the established policies for the benefit of his own country. If an American financier, connected with our Government, such, for instance, as Secretary Mellon, should make a tour of Great Britain and tell the people of that country exactly how they should change all their economic system, we rather imagine he would receive a request to return to his own country.

A protective tariff and a restriction of immigration are the adopted policies of the United States. To our mind it is inappropriate for Sir George to undertake to educate this country into the belief that it ought to have a low tariff, or no tariff at all, and that it ought to change its immigration policy.

He suggests that it is not right or just to propose a policy to an individual or a nation which is not in line with its best interests. We have decided in this country what is best for our interests. On that point we do not need instructions from outside.

The United States territory is not fully occupied as Sir George states. On the contrary, there are vast areas yet available for profitable agriculture. There is an abundance of land available without irrigation, notwithstanding Sir George's views to the contrary. There are thousands of farms in this country unutilized at the present time, and millions of acres of land not now cultivated could be put to the plow, and that, too, without irrigation. There are tens of millions of acres of land slovenly cultivated by reason of economic conditions which, by better fertilization and more intensive cultivation, could be made to double, and in many cases treble, their output. There are over 70,000,000 acres of land which can be easily reclaimed, which is quite different from irrigation. These lands are overflowed or wet lands. In most cases they are as rich as the Valley of the Nile. They can be reclaimed at a moderate expense. These lands are so rich

that they could be made to produce at least twice as much as the average farm land of the country.

The number of our immigrants was not, as Sir George supposes, cut down for the lack of land for farming. The restriction of immigration was not made on that basis. That argument was never used. Restriction of immigration was put into effect to save this country from being overrun to a greater extent than at present by the alien element of south-eastern Europe which never has gone on farms, except to a small extent, and which herds in the cities of the country, becoming a serious liability rather than an asset to the nation.

We are surprised that Sir George with his wide information could for a moment think that our immigration restriction had anything in the world to do with the question of available land. That is a thought which is so foreign to the truth of the matter that it has never entered into the minds of the American people, who have been against immigration, to oppose it on that assumption.

"But if any provide not for his own, and specially for those of his own house, he hath denied the faith, and is worse than an infidel," is a Biblical statement which applies to this country. We must first take care of our national well-being; and the history of Great Britain shows that it has always regarded as of supreme importance in its life the taking care of its own affairs, putting its welfare before the welfare of any and all other countries.

Great Britain has not largely changed its ideas from those which prevailed in colonial days, when this country was forbidden to engage in manufacturing by the order of the British Government, in order that it might continue to be a market for British manufactured goods, regardless of whether that was good for the Colonies or not. Great Britain today pursues exactly the same policy in India and in Egypt. When the people of India have sought for the good of that country to have a tariff which would develop home industries and thus bring about increased prosperity to the people of that country, their efforts have, and still are, being aggressively fought by the cotton manufacturers and all the greater financial powers of England. England controls Egypt and the Sudan for the good of England, and nowhere in English history can we find that England has ever preferred internationalism to nationalism. Moreover, the American people are not very enthusiastic over England's determined policy to uphold the opium traffic.

Sadly mistaken is Sir George in the statement that because we are loaning money to the world so freely this is proof that we have not in our own country the opportunity we formerly had of investing capital at home. There is an insatiate demand for investment of capital in this country. That demand is equal to all the capital that we can accumulate for many years to come. Many industries in many parts of this country are starving for the capital which our bankers are pouring so freely into Germany and other foreign countries. But the bankers who are doing this work find it more profitable to lend to these foreign countries, with the big rake-off which they get, than to lend to industries in America or to avail themselves of the opportunities for development here.

The railroads of America must be greatly extended and largely developed in every way. They are unequal to handling the traffic that is ahead of them. Single-track roads need to be double tracked. Heavier rails are needed in many places. The railroads are now straining themselves to the utmost limit of their capacity to handle the business of the country, and they must have billions and billions more for this purpose or break down physically and financially alike, and when a road breaks down physically it soon breaks down financially. The reverse is also true.

This country is only in the infancy of its development.

It has scarcely scratched its resources as compared with their potentialities. It is today the most inviting field in the world for capital in which to make safe and sound investments for great development work. But international bankers and bankers long identified with German interests are using their utmost efforts to induce American people to invest in German securities and in lending money to German industries, thus robbing this country of the capital we need at home.

Quite contrary to Sir George's views, America is not doing its best "to prevent our debtors from paying either principal or interest." The breaking down of our tariff in order to permit ourselves to be flooded with the cheaply-made products of other countries would soon result in breaking down wages and in shutting up factories in this country merely for the purpose of letting our competitors abroad undersell us at home.

The prosperity of our country is due to high wages. The unemployment and poverty of England are due to their low wages and to the financial policy pursued by English bankers. Rather than break down our tariff it would be far cheaper for the United States to make a present to Europe of all the indebtedness due by nations and individual enterprises.

If to become a world banker means that we must become a world trader, we would remind Sir George that this country is already a world trader, and is trading on a very large scale both in exports and imports. We are selling freely and we are buying freely. Unfortunately for our good, we are buying more freely than is best for us.

The policy suggested by Sir George is directly contrary to our views. Instead of free trade benefiting our industries, it would destroy them. England is a splendid illustration of this truth. In trying to be a world banker England is destroying its own industries, and poverty rules in that country where there ought to be prosperity. Its bankers in seeking to do the financing of the world have well-nigh wrecked a large part of its own industries, which has resulted in keeping from 1,250,000 to 2,000,000 people out of employment, necessitating the enormous "dole" which England pays for non-employment. This dole is not simply a drain upon the Government; it is sapping the moral stamina and backbone of those to whom it is paid, for it is a well-known fact that many men are keeping out of employment because the "dole" allowed to them, if they have a number of children, exceeds what they would make if at work, and they prefer idleness with a good income rather than work with a moderate income.

The consumptive power of the American people is enormous. In many respects it is equal to over one-half the consumptive power of the rest of the world. We are producing and consuming at home, in many lines of industry, more than one-half of the world's production and consumption. This has come about because we have maintained a tariff, developed a higher standard of living, created a consumptive demand by keeping the cheaply-made products of other countries out of this, the best market in the world, except to a limited extent. Europe is eager, as it always has been, to invade and control this, the best consuming market in the world, for its own benefit.

No better illustration probably can be found in the world than the false policy pursued by England in its free trade in connection with the effort of its financial interests to do the world's banking. With its superb opportunities, England is rapidly falling behind, though it has nearly a quarter of the people of the world under its control. The prosperity of Egypt and India has not been sought by England to the extent that it should have been, and these people, in desperate poverty, need industrial employment, but England seeks constantly to deny them the right, as it did to the American Colonies, to develop their manufacturing interests.

The policy pursued by England in forbidding the development of manufacturing in the American Colonies has not,

so far as we can learn, in the slightest changed in its dealings with India.

The favorable results which have come to the United States by reason of our tariff barriers is a proof of the wisdom of this tariff. This is a united, homogeneous country, wholly unlike the other countries of the world. The results that we have produced here are a blessing to our own people, and are likewise a blessing to the rest of the world by creating in the world a demand for higher wages and a higher standard of living. The best that we can do for the world is to maintain this situation and gradually force higher wages in all other countries, for so long as the beggarly wages which are now paid in England and Continental countries and in the Orient continue, so long will there be world poverty.

In our view Sir George, from beginning to end of his letter, takes a wholly erroneous position, one which would mean American poverty and the destruction of American nationalism for an imaginary benefit of prosperity to the world and an internationalism which would mean the destruction of our prosperity and of world prosperity. England is not setting us an example of any such spirit of internationalism. It is not leading the way, and under its free-trade activities and its effort to keep down manufacturing in India and elsewhere it is doing exactly contrary to what Sir George wants us to do.

Sir George's visit to this country was, we believe, one of propaganda through which to set at work influences which would bring about these very frank suggestions written to the MANUFACTURERS RECORD.

For Sir George personally we have the highest respect and esteem; for his economic suggestions to the United States we have the opposite, for we think he is trying to lead this country in the wrong direction, and we question the wisdom from that standpoint of any propaganda on the part of individuals, interested in shaping England's financial affairs, trying to tell us what we must do.

The suggestions he makes, if carried out by us, would doubtless benefit England, but they would seriously injure the United States.

We are for nationalism so far as this country is concerned, as compared with internationalism as outlined by Sir George, and the history of this country and its marvelous advancement shows that nationalism and the protection of American industries and American agriculture have led to a far higher degree of prosperity than any other country in the world has ever had, except perhaps Germany prior to the war, and Germany's prosperity was based largely on a protective tariff under which it was making amazing industrial development, and under financial methods directly contrary to those which have prevailed for so long a time in England. Indeed, Germany was building up its own prosperity at the expense of England's by handling its finances in such a way as to make England's banking interests largely an upbuilding force for Germany's industrial interests to the profit, perhaps, of English bankers, but to the ruination of many of its industries.

The scheme which is being worked in America by some Americans, and largely by those under the influence of European propagandists to preach internationalism rather than nationalism, reminds us of an incident which occurred some years ago in the mountains of North Carolina. In a little town in that section there was a very learned minister whose enthusiasm as a missionary among the mountain people was boundless. At the same time his mental apparatus was not in good working order and took many cranky notions. He went to that region from Maryland, and he had some very rich relatives in Maryland. His enthusiasm for the mountain people made him completely neglect his own family, and his wife and children lived very nearly in rags and were pretty nearly always on the verge of actual starvation,

and many times his children needed food and clothes to a far greater extent than the people in the surrounding mountains.

His zeal was without end. It was illustrated in one case, typical of many, when meeting a half-drunken man in the road near a deep running stream, he insisted that this half-drunken fellow must come and join his church. The mountaineer refused and said that if he ever joined any church he would join one where he could be immersed. And the preacher, strong of body, though somewhat weak of mind at times, grabbed the mountaineer, pulled him into the nearby stream and immersed him, and went on his way rejoicing at one more convert to his church. His children were in a more pitiable condition than the mountain children, but he could not see that his first duty was at home, and so he roamed the mountains with ceaseless energy trying to convert the mountain people. One Christmas some of his Maryland relatives sent as Christmas presents to the children a large box of clothes, for they realized the conditions under which they were living. But this zealous minister, entirely ignoring the needs of his own family, took all these Christmas clothes, for which his own children were longing so eagerly, and carried them out and distributed them to the mountain children, leaving his own to continue in ragged, inadequate clothing through a hard, cold winter. He thought he knew more about religion than the rest of the community, but everybody who knew him said he was crazy; and this was unquestionably so, judged by his acts. He was, however, a very learned man. He could quote Latin and Greek and Hebrew by the yard. His religious zeal for "his church" knew no end.

To our mind he is typical of the people who are preaching internationalism in preference to nationalism. They are willing to see their own national family suffer, as this minister did, in order that they may carry the things which are needed for American life out to the rest of the world through internationalism. There is just as much wisdom in the preaching of internationalism in preference to nationalism as there was in the actions of this minister who was working among the mountain people of North Carolina to the utter ruin of his own family.

"But if any provide not for his own, and specially for those of his own house, he hath denied the faith, and is worse than an infidel."

THE NATION NEEDS THESE PARKS.

STEPS for the establishment of new national parks at Blue Ridge, Va., and in the Great Smokies area of North Carolina and Tennessee have been started by Secretary Work of the Interior Department in a recommendation to Congress for inquiries with this end in view. The plan is to be commended most strongly, and is fully worth the appropriation of \$15,000 which Mr. Work suggests for these inquiries.

Of the 19 national parks which now form the national park system, 17 are on this continent west of the Mississippi River, one being in Alaska; one is in Hawaii and one in Maine. In realization of this national parks monopoly by the West, Secretary Work named a commission to inspect possible sites for parks in the East, and on this line says:

"The recommendation for first choice, after a careful survey of the region, was for the selection of an area in the Blue Ridge Mountains of Virginia lying east of the south fork of the Shenandoah River and between Front Royal on the north and Waynesboro on the south, although an area including the Great Smokies of North Carolina and Tennessee was recognized as of equal importance. In this selection I concur.

"The site in the Blue Ridge Mountains selected by the committee is within a three-hour ride of the national capital and readily accessible to a population of 40,000,000 people.

Its scenic qualities fully measure up to national park standards, and it lies in a region rich in associations with the early history of our country, and particularly of the Revolutionary and Civil War periods. The bill under consideration, if passed by Congress, will enable me to prepare a report to that body with full details as to boundaries, the best means of acquiring the area, and such other data as may be required by the Congress to study and consider this proposal. It is expected that donations of land within this area by the state and private individuals will leave only fragmentary parcels to be otherwise acquired.

"Should it be deemed desirable by Congress to have a similar study and report made on the Great Smokies area of North Carolina and Tennessee, the choice for a second park, it is believed that an additional appropriation of \$5000 will achieve this purpose. * * * I am of the opinion that the second national park should be established in the Great Smokies area and that the commission * * * should also be authorized to investigate and report on the best means of requiring the lands in that area.

"The proposed national park in the Blue Ridge Mountains in Virginia, with its scenic and recreational qualities, coupled with the rich historic background of the region, will draw visitors from a population of 40,000,000 inhabitants, and a second national park in the Smoky Mountain area in Tennessee and North Carolina would give such opportunities to many millions more in the East and South. These proposed sites are practically equal in area; both are suitable for national park purposes, and one should be operated to supplement the other."

There is no reason why Congress should not adopt Secretary Work's suggestion; there is every reason why it should. Also, it seems safe to say that the Federal Government can count confidently on the co-operation of the states and communities involved in the commission's recommendations without fear of sectional or local jealousies or bickerings.

A PHILADELPHIA WOMAN WORKER AMONG CHILDREN DENOUNCES THE TWENTIETH AMENDMENT.

A RECENT article in the MANUFACTURERS RECORD by F. R. Welsh, an investment banker of Philadelphia, who gives close attention to all questions bearing on the welfare of this country, referred to a Philadelphia woman who for years had been noted for her work among children and who was bitterly opposed to the Child Labor Amendment.

Mr. Welsh was asked by the MANUFACTURERS RECORD if he would give us the name of this good woman, and in reply we have the following which we submit for the careful study of our readers:

"The lady referred to by me in my article was Mrs. Frederic Schoff, president of the Philadelphia Child Welfare Association. Mrs. Schoff has raised her own children successfully and is devoting her life to the welfare of the children of others. Broadly humanitarian and wisely practical, she has had personal experience in upwards of 10,000 cases. Many of these were cases of delinquents and many were probation cases coming through the courts. Others were cases of children without parents for whom homes had to be found. Many were children who simply were mischievous and hard to control and who needed some country air and moderate work on which to expend their energies.

"Mrs. Schoff knows better than almost anyone else how necessary work is as moral medicine to many children and how beneficial it is to all when not overdone. She has great influence with our legislature, because they appreciate her broad humanity, her singleness of purpose, her wide experience, her wisdom and her calm, sound judgment. There is probably no one in this country better able to judge of such matters than Mrs. Schoff and no one who approaches the subject from a point of greater vantage. She has had great influence on our state legislation for child welfare, and few, indeed, have done as much to turn possible delinquents and unfortunates into healthy, useful, self-respecting citizens. Not merely this city or state, but the country as well owes Mrs. Schoff a debt of gratitude to which she is now adding by helping to defeat the vicious so-called Child Labor Amendment."

THE TWENTIETH AMENDMENT.

THE Baltimore Sun calls attention to the fact that advocates of the Child Labor Amendment do not feel that the Amendment has been defeated by the votes already recorded against it. It is the aim of these advocates not only to carry on the fight more aggressively than heretofore in the states which have not voted on it, but also to seek to have legislatures which have voted against it to repeal that decision and to vote for it.

"The serious uncertainty as to the status of the Child Labor Amendment," says The Sun, "lies in the fact that no time limit is set for its ratification. How long it may lie on the tables of the state legislatures before it can be regarded as obsolete is also undecided. A Supreme Court decision of 1921, growing out of the seven-year time limit which was set for the ratification of the Eighteenth Amendment, has furnished the only reliable precedent in this connection. The conclusion of the Court was:

"That the ratification must be within some reasonable time after the proposal, but no attempt was made to define 'a reasonable time.' In this case, it obviously cannot be less than two years, as the Maryland Legislature will not meet, and therefore cannot consider the Amendment, until 1927, but no one knows how much more than two years may elapse before the Amendment may be considered to have failed of ratification."

There are other things of interest bearing on this question: For instance, can Congress pass a bill amending the proposed Amendment and thus throw it back into the state legislatures on a new basis? Or can Congress pass a bill specifying the number of years which may elapse before a final decision can be reached?

These questions bring up a degree of uncertainty which can only be met by such an overwhelming anti-Amendment victory as to make sure the advocates of this Amendment will be kept quiet for some years. They are aggressive, intolerant, backed by all the bolshevistic and socialistic elements of the country, working in entire harmony with the views of the Russian Soviets, and they will never give up the fight until it has been overwhelmingly demonstrated that they cannot get this country to adopt the Amendment.

To sit down quietly and think that the fight has been won against the Amendment would be the height of absurdity. The fight is on and will continue in all the devious ways that the advocates of this Amendment can utilize. The more fully the Amendment is discussed, the greater the amount of information given about it and the greater the distribution of literature against it for the education of all the people, the safer will the country be from the danger of this proposition, which, if accepted, would be the greatest disaster that ever came upon this country. The fight against it must, therefore, go on indefinitely and with tireless energy.

WE WISH HE HAD HIS MILLION DOLLARS.

FROM the bed of an invalid, long a great sufferer and formerly an instructor in the University of Florida, comes a letter from W. M. Smith of Jacksonville, in which he writes:

"I have before me 'The South's Development.' There never was a book published that stirs the inspiration to true Americanism such as this. It is an achievement of you and your co-workers that the South will never forget.

"This book, if placed in the public schools, would do more good towards shaping the character of our American boys toward good citizenship and high ideals than all the histories that have ever been used.

"I would like to have a million dollars just three minutes. I would write checks enough in that time to put a copy of 'The South's Development' in every schoolroom in every school district of the United States and all of its possessions."

The Pine Institute of America—A Conception of Far-Reaching Importance to the South and to the Nation.

THE naval stores industry is hard up against it. Only well-thought-out and concerted action can pull it through.

"The end of the industry as a major activity of the South is definitely in sight. The industry, as we have known it, is doomed for the simple reason that the old stand of long-leaf and slash pine from which our raw product is obtained is about to be exhausted, and no adequate second crop has come to take its place."

So says the report of the American Naval Stores Commission, which was appointed last year to visit France and study the naval stores industry of that country.

Does this mean that the South must of necessity lose one of its major activities? Not at all. It means that the South must convert this industry from a nomad, roaming the country in search of a crop, to a farmer, settling down and cultivating the crop perpetually in one spot. The report says, as quoted, "The industry, as we have known it, is doomed."

So, also, the lumber industry of the South, as we have known it, is doomed.

So, also, the budding pulp and paper industry of the South, as we have known it, is doomed.

But none of these industries is doomed, unless we deliberately permit them to die off through unpardonable indolence and indifference. It is only their old, wasteful ways of living that are doomed.

Plans have been worked out for a great Pine Institute of America, which, if carried through, will enable us to cover our ever-increasing millions of acres of cut-over, idle land with a rich growth of pines and perpetuate them for future generations.

In France, today, in the section known as the Landes (or Heaths), there are 2,000,000 acres of pine forests that support a large and prosperous population. The American Naval Stores Commission which visited the Landes last summer to study conditions there thus describes the section:

"The French naval stores region—the Landes—comprises about 2,000,000 acres. The region is equal in size to about five average counties of Georgia or Florida. It was originally an enormous swamp in the rainy season and an arid, sandy desert the balance of the year. It was the poorest, most unhealthful part of France.

"It was reclaimed, drained, and planted to maritime pine, starting about 125 years ago and carried on in the face of many obstacles. * * *

"What are the conditions in the Landes today? We found it covered with an unbroken forest of maritime pine in all stages of growth, from seedling to saw timber. Through the heart of the region runs one of the main trunk-line railroads of France, from which, every ten or twelve miles, feeder rail lines branch out, penetrating to the outer boundaries. Supplementing this extensive system of railroad transportation is an even greater mileage of roads, largely hard-surfaced. We doubt if there is a stand of timber in the whole region that is more than three miles from a railroad or a paved highway.

"Every few miles along these railways and roads is a little village, set in a narrow fringe of fields and grass lands and surrounded by the woods. The heart of each village is a turpentine still and a wood-using plant of some kind. The villages are of brick and stone construction, with red tile roofs. Large schools, churches and public buildings adorn their plazas, and business is brisk, indeed, on their well-paved 'main streets.' These villages correspond directly with our turpentine camps of the South. What a contrast!

"There are several small cities within the Landes, of 20,000 to 30,000 people each. These are the centers of marketing, distribution and government for the surrounding territory. The total population of the region is 1,400,000, a permanent population, half as great in number as that of the whole state of Georgia, which is nineteen times as large in area.

"These people today are the most contented and prosperous of all France. Every man, woman and child of them derives his or her daily bread directly or indirectly from the forests. There is not a poor man in the region. Many are wealthy, and in numerous cases the laborer who 'chips' and 'dips' the

gum is worth from \$3000 to \$30,000. Forestation and drainage combined have made the Landes as healthful as any section of France.

"Two million acres of the Landes produces one-fourth as much naval stores as our whole South. The future of the region is assured on a permanent basis. Their production can be increased at the rate of 5 per cent for the next 10 years.

"What is the lesson? Does their success lie in soil, the climate, the species of pine, or intensive European conditions generally? No. We have better soil, better climate, better pines. Is it in their methods? Partly so, and wherever practicable we shall do well to apply such methods at home.

"But, the prime factor of the French success is their acceptance of the principle that timber growing comes first—that there must be an uninterrupted succession of forest crops, and that each operating unit must be put on a basis of continuous yield of gum as well as lumber and wood products by grouping about it a suitable proportion, by acreage, of each step of forest from seedling to mature trees. All the rest of the French system is built around this principle or has followed as a natural result."

The American Naval Stores Commission states in very mild terms that our pines, climate and soil are better, both for timber and gum, than those of France; also:

"At 72 years from seed the maritime pine of the Landes yields from 7000 to 10,000 board feet per acre of saw timber, in addition to some ties, poles, cordwood and charcoal."

A. F. Hawes, state forester of Connecticut, writes in a personal letter concerning reforestation in Connecticut:

"The average yield per acre per year for pine would be about 500 board feet; that is, 50 years, 25,000 to 35,000 board feet per acre."

Compare this yield of pine in Connecticut at 50 years with the 7000 to 10,000 board feet and some ties, poles, cordwood and charcoal in the Landes at 72 years.

The area of Georgia alone is about 19 times the area of the Landes. The population of Georgia is only twice that of the Landes. The population of the Landes depends wholly on the product of the planted and cultivated forests, which are inferior to ours in every particular.

Does forestry in the Landes pay? The commission finds the 1,400,000 people who depend on the 2,000,000 acres of the forests to be the most prosperous and contented of all France.

Would similar forestry pay in our Southern states?

We have in the South 35,000,000 acres of lands that once bore forests naturally that are now cut or burned over and idle, that are suitable for reforestation.

We are annually clearing off the virgin pine forests at the rate of 2,000,000 acres, or as much as supports the whole naval stores industry of the Landes.

We have left about 15,000,000 acres of the virgin pine forest that once stretched from Virginia to Texas.

We have more than 75,000,000 acres that are growing up, more or less, in second-growth pine, much of it ragged and sparse, very little of it tended by anything approaching scientific forestry methods.

Instead of making a forest where none grew before, as did the French, by our wasteful methods of cupping and cutting we are destroying our luxuriant natural forests at breakneck pace. The spectacle presented by our lumber and naval stores industries is about as edifying as would be the sight of an animal devouring its own limbs, rather than exert itself to find other food.

Yet the pines of our Southern states are superior as producers of gums and as timber to the pines of the Landes. The soil and climate which feed and nurture them are superior to those of the Landes.

The plan worked out by the American Naval Stores Commission for establishing forestry and turpentine in this country

on a truly scientific perpetual basis provides for a Pine Institute. The program of the Pine Institute of America is given in the Savannah Weekly Naval Stores Review and Journal of Trade for December 13, last:

"1. Objects and powers:

"(a) To found, and to conduct upon scientific principles, an engineering and chemical institute which shall serve and advance the legitimate interests of the owners of cut-over lands, the producer of gum rosin and turpentine, and of factors handling the same and of dealers and brokers therein and exporters thereof, the manufacturers and distributors of wood-tar products, the manufacturers of wood rosin and wood turpentine, and bankers, real estate dealers and others interested in such lands and products.

"(b) To study and develop reforestation of cut-over lands, and means and methods of utilizing said lands most advantageously to those interested therein.

"(c) To co-ordinate in a legitimate way the efforts of those interested in the utilization of such lands and in the production, handling, sale, distribution and export of such products.

"(d) To conduct chemical and other tests and experiments designed to increase the uses of and expand the markets for such products.

"(e) To gather and assemble, and to distribute to those interested therein, dependable and serviceable information and statistics relative to such lands and products and the disposition and uses thereof, and regarding laws and trade customs and practices relating to, and patents and processes having reference to, any of such products.

"(f) To provide, as an instrumentality of service, an available agency and medium through which those interested in such lands and products may establish business relations and social contact with one another whereby the legitimate interests of all may be advanced.

"(g) To employ, and to utilize the services of, such trained experts in engineering, chemistry and kindred sciences, and other persons, as may be requisite or proper in furthering the aims and accomplishing the objects of the organization.

"(h) To own such real and personal property as may be necessary or appropriate to the carrying out of the above objects."

It is believed that the work of such an institution can derive no advantages from an urban environment. "It relates particularly to open-air problems and calls for men in boots who thrive best next to nature and on top of their jobs. Such a location entails a minimum of expense and makes the stronger appeal to those who can render most valuable service." In such a situation the supporting members of the institute can receive practical object-lessons, while enjoying a delightful outing, at no great cost. "The Pine Institute, resembling somewhat a great university in the woods, will be able to show that land can be profitably reforested and otherwise made a paying investment; and, if given sufficient land for such developments, the Institute will in time become self-sustaining, and probably have property worth more than all the dues paid into its treasury."

It would be difficult to overestimate the importance, not alone to the South but to the nation, of this plan. Some such research, probably in a less thoroughgoing, up-to-date manner than that planned for the Pine Institute, converted the 2,000,000 waste acres of France into a prosperous, thickly settled section. Our resources are naturally richer and more amenable to cultivation than those of the Landes. Our interested population is larger and our area many times larger. If we should multiply the achievement in the Landes by 50 we would still have a most conservative estimate of what may be accomplished throughout the great pine-growing section of our Southern states. For, surely, the problem of reforesting a natural forest area is less than that of afforesting a region so barren that no trees grew there before. And the problems involved in forest management over 2,000,000 acres are the same as those involved over 100,000,000 acres or more, while the returns from the latter are many times larger. Is it conceivable that in the face of the known facts we will delay, or through parsimony and smallness of vision refuse, to ade-

quately finance and fully man and equip the Pine Institute of America?

If every citizen of the South should subscribe to the Institute according to his means, the value of his subscription would return to him through his share in the increased prosperity of the section. But no such widespread support is expected or desired. It will remain for those directly interested in the products of the pine forests—landowners, lumber, paper and naval stores companies, factors, brokers and exporters of crude gum, rosin and turpentine, and the like—to give their support through their membership and stipulated dues. Schedules of annual dues, based on the products of the members or on the manner and the extent of their participation in the benefits of the institute, have been worked out. As expressed by an authority:

"It is estimated that the financing plan will provide a permanent and growing fund for the Institute of not less than \$200,000 annually, and if the expectations of the committee members are to be realized, it will in time reach half a million dollars and result in the firm establishment of a constructive agency in a wide field of usefulness as yet unoccupied or otherwise served."

"The form of the organization is important, but the quality of its management is vital. A gun shoots no higher than it is aimed, and when it fails to hit the mark the result is a waste of ammunition."

Every dollar spent in employing the best technical experts and the most capable management, and in carrying out the most thorough and exhaustive campaigns of research in all the problems involved in reforestation, in cupping, in cutting, in finding new uses for the products and so forth, will be multiplied a hundred-fold and more when the results are applied to our vast and fertile acres. The one danger to this whole splendid program is the common one that too many men will attempt to view the immense field of possibilities through their small knot holes and, seeing only tiny spots at a time, will utterly fail to realize the immensity of the factor by which the results of judicious research will be multiplied. Therefore, let every man who is endowed with the vision to see exert whatever influence he may have to carry out the program of the Pine Institute of America on a large and generous scale.

OUR FOREIGN TRADE FOR LAST YEAR.

DURING 1924 the total value of imports of foodstuffs into the United States amounted to \$946,929,000, while our exports of foodstuffs for the same period amounted to \$966,172,000, the difference being \$19,243,000 in favor of the exports over the imports.

Of course, a large proportion of these imports consist of coffee, sugar, tea, tropical fruits and other things which we are not producing in sufficient quantity for our own needs. With the advantages of soil and climate of this country, we ought to produce sufficient sugar for all of our requirements and most of the other things which we now are importing to the extent of hundreds of millions of dollars.

Of manufactured products ready for consumption we imported \$749,376,000, and of manufactures for further use in manufacturing our imports were \$654,923,000.

The total exports of domestic products during 1924 figures up \$4,497,750,000, or a gain of \$407,000,000 in domestic exports over the preceding year, while imports dropped from \$3,792,066,000 for 1923 to \$3,610,553,000 in 1924. Thus our imports showed a loss of \$181,513,000, while our domestic exports showed a gain of \$407,000,000. The total value of domestic and foreign exports last year was \$4,590,146,000, which, including imports, makes the aggregate value of the country's foreign trade in 1924 over \$8,200,000,000.

THE ONLY ADVANTAGE WORTH LIVING FOR.

"In the character of the Americans a love of freedom is the predominating feature which marks and distinguishes the whole, and as an ardent is always a jealous affection, your colonies become suspicious, restive and untractable whenever they see the least attempt to wrest from them by force, or shuffle from them by chicane, what they think the only advantage worth living for. This *fierce spirit of liberty* is stronger in the English colonies probably than in any other people on earth."

Thus Edmund Burke described the Colonies in his address to the British House of Commons on March 22, 1775.

About the same time that Burke was uttering those memorable words, James Willson of Pennsylvania, in an address to the people of his state, gave expression to "this fierce spirit of liberty" as conceived by his countrymen:

"We wish for peace. We wish for safety. But we will not, to obtain either or both of them, part with our liberty. The sacred gift descended to us from our ancestors. We cannot dispose of it. We are bound by the strongest ties to transmit it, as we have received it, pure and inviolate, to our posterity."

Note that last sentence—"We are bound by the strongest ties to transmit it, as we have received it, pure and inviolate, to our posterity."

What was this liberty that they felt "bound by the strongest ties to transmit?" About fourteen months later the Virginia convention, assembled at Williamsburg, passed a resolution in which it described this liberty:

*"Resolved unanimously, That the delegates appointed to represent this colony in General Congress be instructed to *** give the assent of this colony *** to whatsoever measures may be thought proper and necessary by the Congress for forming *** a confederation of the colonies; *** Provided that the power of forming government for and the regulations of the internal concerns of each colony be left to the respective Colonial legislatures."* (Italics ours.)

There you have a true and vivid picture of the Thirteen Colonies in their passionate devotion to local self-government. And eleven years later, when they framed our Federal Constitution, they carefully safeguarded their right to govern themselves in all their internal affairs.

Where, now, do we find "that fierce spirit of liberty?"

Not among the people who would give to Georgia or Florida a voice in the control of the employment of children in Maine and Washington, and to Maine and Washington a voice in the control of the employment of children in Georgia and Florida, Massachusetts and New York, and all the other widely dissimilar states of the Union. Not in the people who would apply this control through the medium of an autocratic bureau in Washington, a bureau indifferent to the peculiar local conditions of the different states, and wholly independent of responsibility to this state or that one, regardless of the injustice that might be worked upon the people of a state like Utah or Washington by legislation suited to a highly industrial state like Massachusetts or New York, or vice versa.

Where, now, do we find an appreciation of the binding obligation "to transmit it, as we have received it, pure and inviolate, to our posterity?"

Not among those thoughtless, shortsighted ones who would rob all our posterity of the right to local self-government and a reasonable voice in the control of their children, in the delusive hope that they will place a few hundred, or a few thousand, children of this generation in better working conditions. For let it be considered that the conditions of employment of children, and the legislation regulating them, are improving rapidly in all the states. Backed by the public opinion of the individual states, each state is improving its own legislation to fit its own peculiar conditions. Each state is

far better able to frame legislation that will meet its own conditions, and that will be enforced by its own public opinion, than is any one central bureau.

It is true that some states are more backward than others. That is inevitable. They cannot all advance at the same rate. But, as a rule, the seemingly more backward ones are those in which industrial development is small, and the hardship suffered is small because of a relatively small number of employees. Why take the management out of hands that are showing their fitness for the work by their steady improvement of conditions in order to place it in hands that have proved so utterly incompetent in our national attempt at prohibition? What guarantee have we that there would be any actual improvement in conditions? Suppose the standard of legislation were greatly elevated—on paper; would that insure its enforcement? Has our Federal Government a record for enforcing matters pertinent to local self-government that would justify the blind, furious faith in this measure that its advocates place in it? Would not the people, relieved of their local responsibilities in their state governments through this measure, turn their backs on the matter, forget all about it, and utterly fail to render that moral support to the measures dictated from Washington that is so vital to successful law enforcement?

How much stronger is a people that, feeling its responsibility in and through its local governments, improves its understanding and its standards by a steady self-education! How contemptible a people who turn over their affairs to the control of an irresponsible bureau, and then deliberately flout the decrees of that bureau! How much better will be the results, in the long run, where the people of each state educate themselves to a higher standard of ethics in the employment of children, and fit their legislation to their local conditions in conformity to their growing ideals and plane of civilization! How much better off will be the countless millions of children of future generations if we keep "that fierce spirit of liberty" burning brightly and hand it on to them unimpaired! "The sacred gift descended to us from our ancestors. We cannot dispose of it. We are bound by the strongest ties to transmit it, as we have received it, pure and inviolate, to our posterity."

THE AIR IS FULL OF CHARGES.

IN the wholesale assortment of charges of misconduct broadcast against many men in official and public life, one may pause to ponder whether the American people may not have forgotten the axiom, "A man must be considered innocent until he is proved guilty." Accusations of almost every kind, sort and description have been hurled in the last year of so against, literally, a score of men prominent in official or civilian public life—hurled by Tom, Dick and Harry, and even by women—and the people have been inclined to consider such victims guilty, without even an offer of convicting proof.

This popular attitude may be best described as one of thoughtlessness, rather than unfairness. The people at large have become so accustomed to believing anything that anyone may say from a soapbox, from some pulpits, from various platforms, and even through propagandist newspapers of sundry sorts, that, almost automatically, they accept such allegations as facts through the ultra-receptivity of their minds. Furthermore, they have become so accustomed to such charges and such verdicts of guilt that they have become almost callous and fairly smile at each new accusation which appears—even though they may regard it as carrying conviction in itself.

It is time, first, for the checking of reckless charges, or for immediate investigation or trial of the accused; also, the people should return to that American fairness which pronounces every man innocent until proved guilty.

Forestation in Louisiana as Described by United States Senator Joseph E. Ransdell.

ON January 30, 1925, United States Senator Joseph E. Ransdell of Louisiana delivered an address before a joint session of the Legislature of South Carolina on the measures his state is taking to encourage the practice of scientific forestry. If that address could be given here in full it would doubtless be a revelation to most of the people outside of the state of Louisiana. Space will not permit a reproduction of more than a third of it, and that in considerably condensed form.

"The state, by all means, should co-operate in reforestation. I can say without fear of contradiction that Louisiana has developed an outstanding leadership in this work. *It ranks among the first in the Union, and without a doubt tops the list of the sixteen Southern states.*" said Senator Ransdell.

But this present eminence in forestry was not attained suddenly. It has come as the result of growth, and Senator Ransdell gives to Henry Hardtner of the Urania Lumber Company the chief credit for bringing about this great development. Such growth must entail much education among the people before the present advanced legislation could have been adopted. Senator Ransdell said further:

"In 1904 a law was passed by the legislature providing for a Department of Forestry and a fire warden system. It also fixed penalties for setting fires on the lands of another, etc., but carried no appropriations.

"In 1908 a temporary commission was appointed to investigate and file a report on forest conditions in the state. During the same year a chair of forestry was provided for at Louisiana State University in Baton Rouge. It was not until 1910 that a permanent Department of Conservation with a State Forester was created. The duties of the forester were to promote forestry education, furnish plans and advice to owners of timber lands, aid materially in the elimination of forest fires, etc. A further development in the law provided that the owner of land assessed at less than \$5 per acre could contract with the state to reforest it with valuable trees, to protect and care for the stand for 40 years, in return for which the land would be assessed at only \$1 per acre for the period of the contract. Since 1920 the \$1 an acre limit on valuation has been eliminated, but it agreed that the assessment shall not be raised during the life of the contract. * * *

"The latest report of the Department of Conservation states that prior to January 1, 1924, 12 contracts had been entered into between landowners and the state, totaling 141,645 acres."

Commenting on the fact that reforestation projects on small woodlots has made much more rapid progress in the South Atlantic states than similar measures on large tracts, Senator Ransdell says that if forest cultivation proves remunerative enough to interest private capital, "our forestry problem will be settled by the old and unwritten law of supply and demand. If it does not, our forestry problem becomes one of Governmental ownership. Private enterprise will give us forests for perpetuity, if it pays, and if it does not, public action will become necessary. * * * Forest products are so necessary to the health, happiness and prosperity of the people, * * * that the state and nation may well be justified for doing what the individual cannot afford to do."

What necessities of life can we find that individual enterprise cannot profitably provide?

Louisiana has devised a measure by which the trees pay for their own protection. This measure is known as the "severance" tax. It was devised by Henry Hardtner, and adopted by the state in 1910, and Senator Ransdell quotes the United States Forest Service to the effect that it is unique, Arkansas being the only other state in the Union that has anything on the same order. He continues:

"This law is a revenue measure. It provides that a tax

shall be levied on natural resources, such as timber, oil, sulphur, salt, gas, etc., when they are severed from the soil, by cutting the timber or mining the mineral. The tax on timber is 2 per cent, figured on the stumpage value of the timber when cut, and this tax on timber now produces about \$360,000 annually.

"In 1916 further changes were made in the Louisiana forestry laws. One provision was to the effect that one-sixth of the severance tax on forest products should go to the Conservation Commission for forestry work, beginning with 1918. This appropriation amounted to \$1000 per month for the first two years. The money was used to pay a state forester, and a small organization was set up. In the year 1920, which evidenced the real turning in Louisiana's forestry work, this amount, which is now the annual appropriation from this source, was increased to \$60,000. A force of some 30 rangers were put to work to patrol the districts where most needed and to educate the public relative to the hazards of forest fires. During extremely dangerous periods additional guards work under the district rangers."

Louisiana's "seed-tree law," Senator Ransdell says, is "an outstanding and progressive piece of legislation. New Hampshire is the only other state which has adopted a similar measure."

Formerly logging operations were so conducted that all trees considered unprofitable to log were left standing, and these proved to be more than enough to meet the needs of natural reforestation. "Within the last 20 years a much closer utilization has been practiced, with clean cutting and the destruction of all seed trees over large areas, especially in long-leaf pine. The seed trees formerly left accidentally should be left purposely. Operators who formerly left those trees, as they supposed, to waste, now remove them to realize a present increase in stumpage value per acre. Mindful of this fact, in 1920 another law was passed in Louisiana providing that on land not to be cleared for farming at least one seed tree per acre must be left standing. This is often referred to as the "seed-tree law."

Senator Ransdell says the two greatest necessities for the successful development of reforestation work in Louisiana are equitable taxes on second-growth timber and fire prevention. This is probably true of any state. For "while nature will regrow forests after a fashion if fires are kept out, the system of taxation largely determines whether it is economically feasible for private owners to administer their lands on forestry principles. Obviously none but the excessively rich can afford to administer extensive areas of land on forestry principles if the annual taxes are more than equivalent to the annual growth."

The proper way to tax a forest is to assess the land alone at a reasonable value and then to collect an ad valorem tax on the timber when it is cut. Louisiana has adopted a deferred tax system based on this principle, which, while it is not ideal, at least approaches the ideal, and is a long way in advance of other states.

Seventy-five per cent of the problem of the Division of Forestry in Louisiana is fire protection, Senator Ransdell says. Realizing that fire prevention is dependent upon the co-operation of all citizens with the Division of Forestry, the state has worked out an elaborate and highly effective system of fire prevention. Under this system "the forestry employes patrol the virgin forests and cut-over lands throughout the state, irrespective of ownership. The holdings of small landowners are given as much consideration as the land of large owners." Senator Ransdell describes the system in considerable detail, but space will not permit full quotation here.

Probably one of the most important, if not indeed the most important, of the ideas in all the excellent work Louisiana

is doing for forest perpetuation is the splendid training of children to understand the need for and the methods of forestry. No legislation of any description can be effective, or can even be enacted, as a rule, without the full co-operation and approval of the people within its jurisdiction. With this fact in mind, Louisiana has set out to train up a future generation of expert foresters who will be deeply imbued with the love of forests and the need for their intelligent cultivation. This is a feature that should be studied and emulated in every state in the Union in which forests are or may be made an important part of the natural resources.

One of the numerous steps in this direction was the organization of a Boys' Forestry Club, which was put under the supervision of the Farm Forester of Louisiana. The boys of this club select their plots of from one to three acres of forest land, and under the supervision of the forester they build their fire lanes, remove all inflammable material, and generally protect them from fire hazard. Colonel W. H. Sullivan, vice-president of the Great Southern Lumber Company, offers an annual cash prize of \$500 for the boy making the best showing. Several parishes through the state also offer prizes amounting to \$50 for work of this sort. It is said that for every boy registered in these competitions, at least five adults are interested and help him win the prize. At present there are about 700 boys enrolled.

Another branch of the same sort of work is carried out by the Boy Scout troops. Under the Scout plan each troop will lease from landowners a plot of about 10 acres, with the agreement that the boys will protect it from fire and game-law violations, and will practice forestry. There are 12 such troop plots now in the state.

The teaching of forestry has been carried into the Louisiana public schools, and all children are thus taught something of the science. In the high schools the boys' forestry essay contests and the girls' forestry contests carry on the work.

In view of all of these activities it is evident that Louisiana will have large and well-cultivated forests just as long as the state cares to have them.

"LIFE IN THE SOUTH TAKES ON NEW LIFE."

B. C. FORBES, editor of the Forbes Magazine, New York, and a writer on financial questions for many leading papers throughout the country, has recently made a trip through a considerable portion of the South. Some of the conclusions reached by him as a result of that trip appear in a special issue which he has recently published in regard to the South. One of the things that struck him strongly was the remarkable religious and educational development, and under the heading "Life in the South Takes on New Life," and in the course of an editorial on the subject, Mr. Forbes in his magazine said:

"What struck me during a recent tour of the South quite as much as its business rebirth was its revitalized interest in and development of the non-business phases of the life of the South.

"Religion, I believe, enters more largely into the life of the Southern people than the people in any other part of the country. Impressive new churches are being built all over the South. The number of churches in many cities astounds the visitor. For example, Atlanta, Ga., has 285 churches; Nashville, 231; Dallas, Texas, 200; Birmingham, Ala., 160; Fort Worth, Texas, 151; Winston-Salem, N. C., 90; Jacksonville, Fla., over 80; San Antonio, Texas, 77; Greensboro, N. C., 56; Lexington, Ky., 52.

"One making his first acquaintance with the South is astonished to find so many excellent educational institutions. Not only are most municipalities spending large sums on the erection of excellent grammar schools, not only are some of the finest high schools in America now to be found in Southern cities, not only have several thousand well-appointed schools

been built during recent years for colored children, but advanced colleges as well as universities have been built in great numbers and raised to a standard of efficiency not eclipsed either in the East or the West.

"The South is today spending almost twice as much on its public schools as the whole of the United States spent in 1900."

SEVENTEEN NATIONALITIES REPRESENTED IN ONE NEW ENGLAND COTTON MILL.

THE southward trend of the cotton mill business is strikingly shown in the facts given in the second letter, published in this week's issue, by our correspondent who recently investigated the subject by a trip through New England. In this letter he gives a list of a number of the big mills of New England who are now investigating the South. This list includes the West Boylston Manufacturing Company of East Hampton, Mass., as investigating Galveston, Texas, as a site for a cotton mill. The Everett Mills of Lawrence, Mass., have been figuring on the establishment of a gingham mill in Anniston, Ala. The Appleton Company of Lowell has purchased a site at Gainesville, Ga. The Home Bleach & Dye Works of Pawtucket is planning for a finishing plant in the South, while the Lawrence Manufacturing Company of Lowell has been considering a proposition from a North Carolina town for the establishment of a mill in that state. Other New England companies are also negotiating for the establishment of plants in the South, or are considering offers that are coming from this section.

This second letter of our correspondent presents particularly the point of view of some New England manufacturers in regard to foreign labor. Many of the manufacturers interviewed deny that the large foreign element in New England is a disadvantage to that section, but, on the other hand, the MANUFACTURERS RECORD happens to know that there is a large number of New England manufacturers who take a directly opposite view.

More than 25 years ago William C. Lovering, then one of the leading cotton manufacturers of New England, after a visit to many cotton mills throughout the South, which had been arranged by the MANUFACTURERS RECORD, expressed his unbounded appreciation of the character of Southern labor as compared with the foreign labor in New England mills. He established a mill in Georgia largely for the purpose of getting rid of the conditions prevailing in New England mills where foreign labor was dominant.

One of the New England manufacturers, interviewed by our correspondent and quoted in his letter, admits that he has 17 different nationalities in his mill and few, if any of them, can speak any but his own language, producing a decided inconvenience in dealing with these people. To suggest that such a combination of mixed nationalities can possibly be as desirable as one nationality, and that Anglo-Saxon, would hardly be accepted by many thinking men. Rhode Island with its 69 per cent of foreign stock, Massachusetts with over 60 per cent, and other New England States with about 60 per cent for that entire section, can hardly be classed as desirable places for manufacturing in comparison with the South with its unmixed Anglo-Saxon population.

It is true that New England people have to some extent adjusted themselves to this condition, but we do know that very many of them greatly lament the extent of this alien population and the difficulty of handling it.

Our correspondent has been wise, however, in giving the exact views of New England people as expressed in their statements to him, for our readers are thus enabled to see both sides of all of these questions which are now so largely agitating New England and the South. In the meantime New England cotton manufacturers are still running hot-foot to buy mills or establish new mills in the South.

A PITTSBURGH BANQUET.

ON Saturday last the editor of the MANUFACTURERS RECORD had the privilege of attending the banquet held in Pittsburgh by the Veterans' Association of the Westinghouse Electric Company. It is true that 1500 miles separated us physically from Pittsburgh, but sitting in his library in Daytona, Fla., the writer heard with the utmost distinctness the addresses made at the Pittsburgh banquet.

What a marvelous, incomprehensible miracle such things are! The radio has opened a field of adventure, of information entirely beyond the power of the human mind to grasp in all its meaning. Since the beginning of time these voices have been in the air, but never before has mankind found a way in which to catch and hold them so that songs and speeches made thousands of miles away may be heard with the utmost clearness. Doubtless we are only at the beginning of this miracle-working wonder. Where it will lead no man can tell. The future is beyond our conception.

But to return to the banquet. This banquet is given annually by the Veterans' Association, composed of men and women who have been in the service of the company for 20 years or more. President Herr in his address paid a great tribute to George Westinghouse, the founder of that organization, and especially to the spirit of humanity and the proper treatment of the workmen employed by the company. Indicating something of the almost limitless future of every great business organization by reason of the truly marvelous expansion of the trade and commerce of the United States, President Herr gave some facts regarding the percentage of automobiles owned in this country as compared with the rest of the world, and our coal and iron and steel output as compared with that of other countries, figures familiar to the readers of the MANUFACTURERS RECORD from recent editorials on the subject in this paper.

The banquet was an inspiring occasion. Every tribute paid to Mr. Westinghouse, every speech made about the progress of the company, called forth enthusiastic applause. But it was not so much of the things said and done at that meeting that we wish to emphasize as the ability, sitting quietly in one's library 1500 miles away, to enter wholeheartedly into the spirit of the occasion, to hear introductions of the different speakers by the toastmaster, to hear the letters that were read from representatives of the Westinghouse interests in Canada, on the Pacific Coast and elsewhere. It was evidently a very joyous and enthusiastic occasion. One could almost enter into the very spirit of the meeting and catch the inspiration as freely as those in actual attendance.

There were doubtless millions of people on that night listening in on the radio to hear what was going on at that Pittsburgh banquet. They are to be congratulated on the privilege of entering into such an occasion, but there is another tribute we would like to pay to the Westinghouse Electric Company, to Pittsburgh and to the ministers of the Gospel of that city:

Whether by special arrangement or not, we do not know, it is possible on every Sunday afternoon, beginning at five o'clock and continuing through the evening, to hear from two to three wonderful sermons from Pittsburgh. We have never yet heard a single one that was not of the highest order of the Gospel ministry, delivered by Presbyterian, Episcopalian, Christian and Baptist ministers. If one may judge by these sermons as being typical of the work of Pittsburgh churches, surely the people of that city are to be congratulated upon the remarkable ability of their ministers, and of the intensity of their religious convictions, as heard in Florida every Sunday afternoon, and doubtless heard from Canada to far-away Texas, as well as to far distant points in the West.

It is a blessed ministry available to those who, for one reason or another, may not be able to attend divine services in person. The good which is accomplished by these radio services must be immeasurable for time and for eternity.

THEY MISSED THE REAL CAUSE—HUMAN NATURE.

OF AT least equal interest—though without the same publicity—with a recent session in Washington of a lot of men and women in a National Conference on Cause and Cure of War was a supplementary meeting called to consider the deliberations and conclusions of the so-called National Conference. By the unregenerate in the supplementary gathering, the National Conference was flippantly dubbed the "Catt peace conference," in honor of Carrie Chapman Catt, described as its guiding spirit, and not with reference to the feline race, of disputative and belligerent disposition.

After seven days of labor, the National Conference brought forth twenty-nine "causes of war." Time wasted—it might have said, "Human nature," and not bothered about twenty-eight more. According to the Bible, war invaded even Heaven itself; how, then, shall man, being "lower than the angels," hope to consider himself immune? Angelic nature could not prevent war; far less can human nature.

At the supplementary meeting, says a news article in the Washington Post, Mrs. Haviland H. Lund and a couple of men declared that such gatherings as the National Conference tend to undermine the institutions of this country, and that, while there were well-meaning women at the Conference, they were victims of "the subtle influence which is spreading among the women's organizations." Further than this, Capt. Harold S. Spencer, a veteran of the World War, expressed belief that support for the League of Nations, the "peace movements" and bolshevism "all have the same center."

The Washington Post story continues:

"Then, a stubby, little rosy-cheeked woman got up and said that Senator Borah of Idaho was about the loudest noise she had heard on the question of world disarmament and wanted to know whether Mrs. Lund thought he was striking at the country's institutions. Mrs. Lund replied:

"Well, you know he is in favor of recognizing Russia. I wouldn't want to criticize him. I know him well. But I can't agree with him on that question."

"About this time the little band of questioners were having a merry time. They were giggling and whispering. Captain Spencer came to Mrs. Lund's rescue.

"You people back there shouldn't laugh. This is very serious," he declared. Then up jumped another woman, and said that as she understood Mrs. Lund, the latter wanted the women to inform themselves. "Suppose you tell us of all these startling things you know," she challenged. Mrs. Lund started to read a list of informative books.

"Captain Spencer broke in after she had mentioned the first one. 'Wait,' said he, 'you women that are laughing back there. How many of you have read that book? It is an authority on the subject.'

"When no one responded, he observed, 'I thought so.'"

Were the situation less serious—were many of the participating women less sincere, such gatherings as the National Conference on the Cause and Cure of War would be amusing. For centuries the brain and heart and soul of mankind have sought a prevention from war; for centuries man has pleaded, "Peace, peace," and there is no peace. Nor will there ever be peace on earth till human nature may be made Divine.

To say that such discussions and deliberations as that of the National Conference on the Cause and Cure of War are human groping for the right and are steps toward the needed change in human nature might be correct as a general

proposition; but, in actuality, in the United States at this time they are, in ninety-nine cases out of one hundred, publicity movements in the propaganda of bolshevism, as Captain Spencer well said. Called to consider the laudable purpose of the promotion of peace on earth, they are prostituted to the advertising of radical doctrines and the nurture of a pacifist spirit which in a crisis would compass the defeat of the United States by a less emotional and more practical nation.

The "causes of war" were thus enumerated and classified by the National Conference in question:

"Psychological—Fear, suspicion, greed, lust of power, hate, revenge, jealousy, envy.

"Economic—Aggressive imperialism, economic rivalries, Government protection of private interests abroad without reference to the general welfare, disregard of the rights of backward peoples, population pressure, profits in war.

"Political—Principle of balance of power, secret treaties, unjust treaties, violation of treaties, disregard of rights of minorities, organization of the state for war, ineffective or obstructive political machinery.

"Social and contributory—Exaggerated nationalism, competitive armaments, religious and racial antagonisms, general apathy, indifference and ignorance, war psychology, social inequalities, social sanctions of war, lack of spiritual ideals."

Does one see "human nature" in this list? Yet, that, after all, is the real cause for international wars, just as it is for individual encounters on street corners or at country crossroads. Man is man—far, far "lower than the angels," it may be feared; how, then, can he hope to stand?

The National Conference in its list of cures—far be it from us to say nostrums—emphasizes "outlawry of war," "adherence of the United States to the World Court," "a reserved proposal regarding the League of Nations and the protocol of Geneva." Fine! But, what does a rogue care about being outlawed? Would threat of "outlawry" have stayed for one instant the mailed fist of Germany? Will even this terrific threat give Germany and Japan one minute's pause when they are ready to attack peaceful nations? In the noise of the pacifist and Bolshevik chorus, "Outlaw war and warlike nations," is lost the sound of the machinery in Germany and Japan turning out arms and ammunition and warships and combat planes for the war they have in mind.

Do these well-meaning women pause to think that, in event of German and Japanese victory, they and their daughters would be subject to the same desecration as was wreaked by the Hun on their sisters of France and Belgium? Are they blind to the fact that the United States is the mint which these brigands propose to loot, and that savagery unbridled will be practiced on the helpless and defenseless, especially the women and children?

Yet, in the face of these incontrovertible facts, this National Conference declared that "the basis of peace is an intellectual and spiritual problem," and called upon the people of the United States "to unite to break down national and racial prejudices and fears, and to build up a spirit of friendship and trust between the peoples of the world."

Piffle and poppycock! What says the Bible:

"When a strong man armed keepeth his palace, his goods are in peace:

"But when a stronger than he shall come upon him, and overcome him, he taketh from him all his armour wherein he trusted, and divideth his spoils."

So spoke Christ in the same chapter of St. Luke in which the Lord's Prayer is given.

Such publicity movements as the National Conference on the Cause and Cure of War are harmful rather than beneficial, in that they preach pacifism and in general are under the influence, if not control, of unpatriotic elements, to put it very mildly.

WELL DESERVED APPRECIATION OF MR. WARFIELD'S SUCCESSFUL WORK FOR RAILROAD REFORM.

THE National Association of Owners of Railroad Securities has issued in folder form a copy of the resolutions adopted recently by its executive committee concerning the resignation of S. Davies Warfield of Baltimore as president of the Association after seven and a half years of active work in that position. These resolutions express keen appreciation of the courage, originality and great ability displayed by him in the leadership of the Association, and they also register particular appreciation of his public service in establishing general recognition of the wide public ownership of the railroads through life insurance, other mutual companies and savings banks, and investors, in supporting the principle of sound regulation as carried out through Section 15a of the Transportation Act. In conclusion, the resolutions express and acknowledge the lasting obligation to Mr. Warfield, and also voice the hope that he will continue to give counsel and assistance in connection with matters affecting the railways or their securities.

Equally appreciative of the work done by him are the words of a letter written to the editor of the MANUFACTURERS RECORD by Milton W. Harrison of New York, who was elected president of the Association to succeed Mr. Warfield, and saying, "He carried through a task of the first magnitude and of far-reaching result, not alone to the owners of railroad securities but to all concerned in securing adequate transportation facilities and in maintaining the country's financial structure on a sound basis. Mr. Warfield's work, now written in the Federal statutes affecting the railroads, will stand as a lasting tribute to him. It proved the salvation of railroad credit. To him in very large measure is attributable the present greatly improved financial status of the carriers, their ability to secure additional funds for transportation needs and the reaction to these conditions of the various lines of business endeavor."

Announcement is also made of a schedule of greatly reduced membership dues of the Association, which plans to be ready to render service as opportunity for effective work is presented.

These expressions of appreciation of Mr. Warfield's work before Congress and elsewhere in behalf of the better railroad law, which is now enjoyed in the Transportation Act of 1920, are fully merited. He strove long and untiringly to restore order where there had been almost chaos and was successful, and he has just now brought to successful conclusion another great effort for improved and extended railroad facilities by completing the Seaboard Air Line, of which he is president, to West Palm Beach, opening up to settlement a large area of valuable lands, besides providing another through route to the eastern coast of Florida and a cross-state route that shortens by hundreds of miles the distance to be traveled in going between the east and the west coast of the state.

THE DISASTROUS REDUCTION IN OUR CORN CROP.

LAST year's corn crop, as reported in the MANUFACTURERS RECORD of last week, was the shortest recorded during the last 20 years, notwithstanding the great increase in our population during that period.

This small corn crop will necessarily have an important bearing upon the cost of cotton production and on the feeding of livestock. Taken in connection with a heavy demand for wheat for exportation during 1924, we inevitably face an acute grain situation during the next 12 months. It will be

difficult, if not impossible, for the farmers of the country to produce a larger corn crop in 1925 than the average of several years preceding 1923; and, therefore, there is not much, if any, likelihood of filling up the vacuum caused by the loss of 600,000,000 bushels in last year's crop for several years to come.

This country produced about 70 per cent of the total corn production of the world. It is mainly absorbed by the home demand. To a small extent the decrease in corn is offset by the increase in oats and sorghums and other feed, but this is to a very limited extent only.

Reviewing the world situation of corn production and consumption, the United States Department of Agriculture

suggests that any additional supplies of corn which may become available in other producing countries will not be sufficient to make up the deficit in European feed grains caused by the short crops in Europe of barley and oats.

This country will go into the new crop year, in the summer for wheat and in the fall for corn, practically swept bare of supplies, and under any ordinary economic conditions high prices will prevail for both wheat and corn. The only possible reason which might prevent high prices for both these grains would be the heavy exportation of gold now under way, which may bring a curtailment of financial credits and thus gradually force prices of all kinds to lower figures than those now prevailing.

The Reds Plan Bloody Insurrection.

WERE it not for the actual, concrete danger to the American Republic indicated therein—were it not further proof of the almost criminal toleration of anarchistic and bloody-revolutionary movements in the United States by officials sworn to protect the Nation—the proceedings of the American Reds' Lenine memorial meeting in New York city, February 1, would be too dirty and disgraceful for publication by such reputable papers as the MANUFACTURERS RECORD and the New York Herald Tribune. In view of this actual national menace, and in disclosure of this almost treasonable complaisance by Federal, state and city authorities, the New York Herald Tribune story is printed elsewhere in this issue of the MANUFACTURERS RECORD.

"Our final goal is to set up a Soviet republic of the United States," was the treasonable object brazenly announced by one Charles Krumbein, national organizer of the Workers' party, and nonchalantly received by the sworn officials and officers in attendance at the meeting. And, "this revolution will come through the force of arms," said John Pepper (Pogany) in the *Liberator*, September, 1923.

Such was the program and such was the method preached openly, "while 12,000 red-bedecked men and women enthusiastically sang 'The Internationale'"—all this in the core of the heart of the Nation and in the presence of men sworn to uphold the Constitution of the United States and to protect the Republic against enemies of every sort.

With the criminal cunning of their kind, the traitors in charge of the meeting played cleverly through the deranged emotionalism of this day and age. A fourteen-year-old boy was put forward as the prophet of anarchy and bloodshed and chaos.

"No longer, when the world-revolution wins, will the bones of children be ground to yellow gold to satisfy the lust of the capitalists," shrilled this infant prophet; "no longer will children and young men be led to the slaughter for the blood-thirst of capitalists." And:

"Directly across the auditorium from the speakers' stand were 400 little boys and girls who attend the public schools of New York, and in the sea of waving red their arms were whirling," says the Herald Tribune story.

Well might the story have added that at the same time official Washington sat complaisant, the Federal Government and the government of the Empire State practically encouraging such treasonable movement by uninterested acquiescence. No stream is higher than its source—why should a good-natured "cop" interfere in a movement to which his superiors do not object?

For these, or any one individual among these, authorities to say that there is no danger in such movement; that they

are emotional safety-valves; that this is a land of free speech is merely to offer a poor excuse, which the old adage says is "worse than none." The boy orator of this occasion is an organizer of the junior section of the Young Workers' League, groups of which are being organized in every city of size or importance in the land; "the children proudly carried banners identifying themselves as 'The Foster Group,' 'The Lenine Group,' 'The Trotsky Group' and 'The Ruthenberg Group,'" says the Herald Tribune. Would the authorities permit any child or adult openly to urge children to murder their very parents and other friends, even as a laudable sacrifice? Yet that is just what the authorities, national, state and municipal, are permitting in allowing such blood-insurrectionary movements to progress and to enlist the very children in the schools.

"We must always be ready for the day to strike!" cried this infant tool of adult traitors—for, it would be silly to suppose that such sentiments and such a speech originated in the mind of a boy only fourteen years old. "Down with capitalism! Down with its system! Up with the Soviet Republic!"

It is not only the leaders in this anarchist movement who put such sentiments and words into the hearts and mouths of the school children of the land; the sworn Federal, state and city authorities who permit this desecration of pure childhood are equally to blame and in time may even become accessories before the fact in wholesale bloodshed and murder. The evil is twofold:

First, the traitorous, murderous Reds are permitted, unrebuked, openly to preach sedition, revolution and bloodshed.

Second, they are permitted to work to that end insidiously by training the upgrowing generation to treason and sedition and murder.

Most criminal, most wicked, most fearful, however, is their unchecked desecration of childhood. "But whoso shall offend one of these little ones which believe in me, it were better for him that a millstone were hanged about his neck, and that he were drowned in the depth of the sea," said the Lord Jesus. And throughout the United States sworn officials are partakers with these Anarchists in their sin.

To say that such meetings as the Lenine memorial cannot legally be prevented by the authorities is nonsense. One recalls that only a year or so ago the police of New York city prevented a birth-control meeting in the Town Hall, even before an audience had gathered in the house or one improper word had been spoken. That prohibition, it was said without contradiction, was imposed on the direct order of a high ecclesiastic of a religious faith. Have not the ministers of that and other religious faiths the same interest in the living children (and in the salvation of their souls) that they had in children yet unborn?

Too long have the people of the United States sat quiescent

under the open attacks on the safety and the sanctity of their homes by the Reds of other nations and of America. It is so easy to close one's eyes to unpleasant things—so hard to face unpleasant facts. Furthermore, they have been lulled and hypnotized by pacifists, some professional, some selfish, some acting in behalf of other nations and some sincere, though densely ignorant.

At the head of one of the great departments of national defense, Secretary of the Navy Wilbur, on the very day of the Lenine memorial meeting, said:

"A good deal is being said just now concerning the terrors of the next war. It is stated that in the next war whole cities and whole populations will be obliterated by the awful means of warfare devised by science; that poison gas and disease germs and high explosives will do their dreadful work in destroying not only troops but civilians—men, women and children as well. These statements are not true and are not justified by past history or present conditions."

Secretary Wilbur must be either a very poorly informed man as to what has happened in the past, or else seeks to mislead the public, for the record of past history and the facts of the present are absolutely contrary to his statement. The history of the past is so clear that even a wayfaring man, though he were a fool, is compelled to recognize that the next world war will be as much more destructive than the past one as that was more fearful than all preceding wars. And the facts of the present are that while Germany is eagerly getting ready for war, and Germany and Japan alike are making close connections with Mexico or with the Mexican Government, there is a danger which it would be worse than folly for Secretary Wilbur or any other intelligent man not to recognize.

As to past history, Germany's murder of inactive and harmless civilians was deliberate and wholesale, on land and on sea. Even Secretary Wilbur possibly may recall that the passenger steamship Lusitania was sunk by the Germans May 7, 1915, with a loss of 1198 lives, including 124 Americans—sunk in 18 minutes, Mr. Wilbur, by a German submarine boat, shortly after 2 o'clock in the afternoon, 10 miles off the southeast tip of Ireland. This was not spurios versenkt—sunk without trace—there is no mystery or secrecy about it.

Possibly, on reflection, Secretary Wilbur may recall that the Germans more than once bombarded the city of London, even while the people were sleeping, and killed scores of defenseless "civilians—men, women and children, as well," as he puts it.

The Germans, Mr. Wilbur, had a great gun which was called "Big Bertha." With this they bombarded the defenseless "civilians—men, women and children" of Paris—in an effort at indiscriminate and wholesale slaughter.

Never did the Germans differentiate between the soldiery and the civilians of their victims. Women and children were their prey, just as much as the greatest general or the most aggressive private soldier in the ranks. In spreading their poison gas they gave no warning; in bombarding cities or in sinking ships they deliberately attacked defenseless civilians as well as armed, fighting troops.

As to present conditions, it is well known to all men that Germany right now is preparing for another war, and that its devilments in the past will seem angelic in comparison with its brutalities in the future.

Both "the history of the past and present conditions" justify to the utmost the warning of those patriotic and humane persons who urge adequate preparedness against attack on both the military and civilian groups of the United States by absolutely conscienceless aggressors.

It is time for the United States to awake. It is time for realization of the present danger of Red insurrection and the future danger of foreign attack. The gravity of these dangers hardly can be exaggerated.

[From the New York Herald Tribune.]

12,000 Cheer Boy Red, 14, Calling for U. S. Soviet

400 Children Join Elders in "Internationale" at 2d Lenine Memorial at Madison Square Garden.

Want Recognition for Moscow Regime

Gitlow, Ruthenberg and Others Call
Workers to Give 'Capitalist Rule'
of America Its Death Blow

While 12,000 red-bedecked men and women enthusiastically sang "The Internationale" in Madison Square Garden yesterday, and 5000 more were being turned away from the doors at the second Nicolai Lenine memorial meeting, a slim little boy of fourteen sat on the speakers' platform and picked out paper patterns. With his khaki blouse and knickers he resembled a Boy Scout.

Directly across the auditorium from the speakers' stand were 400 little boys and girls who attend the public schools of New York, and in the sea of waving red their arms were whirling. Above them, drooping from the gallery rails, were 700 American flags. In the center of the mass of color, over the speakers' platform, was a large picture of Lenine with a frame of red and black and a red star over it.

Fifteen minutes after the demonstration Benjamin Gitlow, the Anarchist who presided over the meeting, was shouting an introduction of the boy of fourteen to the crowd, and the youngster dropped his paper patterns and looked up. While the crowd cheered and his young friends across the way stamped and shouted, Morris Spector, a student of Public School 149 and a resident at 510 Vermont street, Brooklyn, marched to the front of the stand and peered over the high rostrum.

"One year ago Lenine died," the boy cried, and in the stillness his shrill voice carried to the far ends of the Garden.

"The leader, the thinker, the guide of the masses died," he went on. "Lenine is dead, but Lenine still lives. Lenine lived, and the world moves on to the greater day to come. No longer, when the world revolution wins, will the bones of children be ground to yellow gold to satisfy the lust of the capitalists; no longer will children and young men be led to the slaughter for the blood thirst of the capitalists. Lenine was stricken down by the dirty hand of yellow Socialists, but Lenine still lives."

A frenzy of enthusiasm stopped the boy, but he held up his hand for silence and went on:

"It is our duty to mobilize the children to fight against the capitalistic system. It is our duty to keep the minds of our friends clear of the poison put into their heads by the capitalistic system. It is our duty to join the class struggle."

"We extend our arms across to the young pioneers of Russia, to the young Leninists, and tell them to prepare and to always remember our slogan, 'Always Ready.' We must always be ready for the day to strike."

"Down with capitalism! Down with its system! Up with the Soviet Republic!"

Another outburst of cheering drowned the closing words of the youngster, whose arms were swinging with his words, but the shrill voices of the 400 children, ranging in age from seven to fourteen, broke through the din with "The Internationale" again and the picture of childhood in the revolutionary movement was complete.

The boy orator is the New York organizer of the junior

section of the Young Workers' League. Groups of the league are being organized in every city and in every section of New York. The children proudly carried banners identifying themselves as "The Foster Group," "The Lenine Group," "The Trotsky Group" and "The Ruthenberg Group."

"Our final goal is to set up a Soviet republic of the United States," declared Charles Krumbein, national organizer of the Workers' party, who succeeded the boy speaker. "Lenine's great work was the co-ordination of the work of the revolutionists of the world. Attendance at meetings and enthusiasm is not enough to carry on his work. You must all prepare and be ready for the great day that is surely coming, the day when we establish the Soviet republic of the United States and, finally, the Soviet republic of the world. That day is not far distant."

"Jails but steel the purpose of revolutionists," declared C. E. Ruthenberg, secretary of the Workers' party, who was released a week ago from Michigan state prison on \$7500 bail pending appeal of his conviction on charges of violating the Michigan criminal syndicalism law. "Prison cells renew our courage and strengthen our hearts for the mighty revolution which will sweep capitalism from power. The end of the exploitation of the worker is at hand. Under the great guidance of Lenine we will march to the complete overthrow of capitalism throughout the world."

A benevolent appearing woman, with white hair and a kindly smile, who had a seat on the platform, enthusiastically

patted her gloved hands every time she heard the word "bloody." About half of those in the audience were women, and they were the most enthusiastic. Their red waists and red hair bands colored the place. There were black-haired, stout viragos with fierce eyes; nice-looking, middle-aged women; young giggled girls, with a serious mien, and giggling, good-natured women, whose children played around and who evidently accompanied their husbands for a Sunday afternoon of entertainment.

A middle-aged edition of Wallace Irwin's Japanese school-boy appeared in the person of Y. Nishimura, who represented the Communists of Japan.

"Japanese workmen shake hands with Russians," he cried in a thin voice. "China, India, Japan, all ready for Soviet. All starving millions for Soviet. Moscow, send a good democrat to Washington, D. C., and make United States Soviet. Banzai! Banzai! Banzai!"

He was waving wildly with his "banzais" and the crowd enthusiastically joined in.

Resolutions demanding the recognition of the Soviet Republic and the release of Mooney, Sacco, Vanzetti and all Communists now in prison were passed with a whoop. Then the crowd again chanted "The Internationale" and fled out.

"It was the quietest meeting of its size I ever saw," said one of the hundred policemen on duty under Inspector West, "but what the devil they wanted them American flags up there for is more than I can make out."

NEW NITROGEN FIXATION PLAN MAY CHANGE NEED OF HYDRO-ELECTRIC POWER.

CHARLES A. MEADE, president of the Deepwater Coal & Iron Corporation of New York, and long identified with great chemical interests in the East, in a letter to the MANUFACTURERS RECORD referring to the utilization of water-powers, and especially Muscle Shoals for the fixation of nitrates, writes as follows:

"There seems to be no end to the misconceptions that are prevalent in the matter of nitrogen fixation. As a matter of fact, for the commercial fixation of nitrogen the process and the water-power at Muscle Shoals is completely out of date. If the man who wrote this wants to find out what really is going on, let him turn to page 88-F of the same issue of the RECORD and read under Clinchfield, Va., what the Du Pont Company is doing in the establishment of an ammonia making plant. The process that they are using has very little dependence on power, and the very best thing I believe that could be done with Muscle Shoals would be to make the power available for utilization by Southern industries and forget all this gas that has been uttered about cheap fertilizer for the farmers. It is absolute rot, and I am afraid that some of the men who talk it for political purposes know that it is rot."

LOOK OUT!

THE Bache Review, published by the New York banking house of J. S. Bache & Co., referring to the financial conferences between officials of the Bank of England and the Federal Reserve Board says:

"From what we learn it is believed that commodity prices can be stabilized at approximately present levels, with the *long range tendencies, however, gradually downward* (italics ours). The redistribution of our surplus gold would have the effect of reducing inflation tendencies in the United States

"A correspondent writing on this subject says it is probable that the British bank rate will be kept a little above the American rate for a period; some change in American rediscount rates may be necessary, but economists believe that the increases, if any are made, would be very gradual, step by step. Standard investments, it is thought, would be stabilized on the basis of somewhere between a 5 and a 6 per cent return."

World Cotton Crop Figures Revised.

Estimates of cotton production for Brazil, Peru and some minor countries and revised estimates for Egypt, China, Russia and other regions have changed somewhat the estimated world production for 1923-24 of 19,300,000 bales and 1924-25 of 23,600,000 bales, reports the Agricultural Department. Cotton production of all reporting countries for 1924-25 now amounts to 23,366,000 bales of 478 pounds net, as compared to 19,044,000 bales for the same countries in 1923-24. These countries in 1923-24 produced 97.7 per cent of the estimated total world production, which is now placed at 19,500,000 bales.

Provided all other countries produce amounts in 1924-25 equal to the crops of 1923-24, the total production for the current year would be 23,900,000 bales of 478 pounds, including the last estimate of 13,153,000 bales for the United States.

Reported receipts at Bombay, the principal cotton concentration center of India, for the season up to January 28 have been smaller than during the same period of the past two years, amounting to 1,003,000 bales of 478 pounds for 1924-25, as compared with 1,279,000 bales in 1923-24 and 1,136,000 bales in 1922-23, according to a commercial report. Indications throughout the season indicated a good crop, and until recently the lag in receipts has not been attributed to low yields, but the low receipts may be indicative of a smaller crop.

This possibility of a reduced crop in India is partially offset by the probability of a larger crop in Egypt than the 1,278,000 bales of 478 pounds given in the preliminary estimate of the Egyptian Government. Receipts in Alexandria from August 1 to January 28, 1925, according to a commercial report amounted to 1,279,000 bales of 478 pounds, or the total amount of the preliminary Government estimate. In 1922-23 and 1923-24 receipts up to that date made up 77 and 83 per cent, respectively, of the revised Government estimates of total production. According to the Egyptian Government's revised figures exports for both of those years were greater than the total crops, the excess being made possible by the large carry-over from the crops of 1920-21 and 1921-22.

Richmond county, L. B. Evans, secretary of the Board of Education, Augusta, Ga., has sold a school-bond issue of \$350,000 to the National City Co. of New York, and William E. Bush & Co., Augusta, at \$360,051.25.

Yankee Thrift and Southern Progress.

SOME YANKEE VIEWS OF THE SOUTH'S INDUSTRIAL AWAKENING AND ITS BEARING ON THE FUTURE PROSPERITY OF NEW ENGLAND.

By RICHARD WOODS EDMONDS.

II.

Foreign Labor.

As I stated in the close of my preceding letter, I took with me to New England the belief that one of the important factors responsible for the southward movement of the cotton mills is the foreign labor of New England. I was much surprised to find how few men consider this foreign labor a serious handicap. Annoying? Yes; but seldom serious. A few of them, just enough to explain where the idea originated, said that the foreign element is of low average mentality, organizes readily and blindly follows any agitator, regardless of how unreasonable his demands may be. One man said they are not intelligent enough to understand the merits of an argument.

From what I learned later, I am inclined to believe his experience had been confined chiefly to those new arrivals who understand American customs no better than they do the English language. Several men spoke of the disadvantage of employing men to whom the foreman cannot explain his desires, and I heard of one mill that employs 17 different nationalities, speaking 17 different languages. Besides the inconvenience of being unable to explain operations, and the friction that inevitably results from misunderstandings, they have to deal with the animosity that is frequently felt between the different racial groups. But most of the men interviewed flatly denied that the foreign labor is an important consideration in the southward movement of the mills. The foreigners might be a nuisance in many respects, and frequently annoying, but they have their good points.

My preconception was received from sources known to be careful and dependable, and I may say I tried hard to corroborate it. But I did not have much success. Some men told me of French-Canadians in their employ whom they consider the best mill operatives in the world. Others considered the Scotch and English the best, but the others good. Italians, Greeks, Poles and the like were nowhere so popular as the former, but as far as I could learn they are not considered troublesome. The mill worker is called upon for little exercise of skill and one nationality seems to be about as good as another. The foreigners are usually steady and thrifty. They do not leave the mills for street fairs or hog-killing time, or to attend revivals.

On the other hand, many men said they thought it would be injurious to the Southern industry if the foreign help of New England should follow the mills South. "But they won't go South," seemed to be the conviction of nearly all.

"Suppose some of them do go South," I said to the executive already quoted, who operates a mill in Georgia and another in Massachusetts; "will the Southern mills employ them?"

"Certainly not," he replied. "A man would be a fool if he did."

"You employ them in your Massachusetts mill, don't you?" I asked.

"Certainly. I can't get anything else."

"Suppose a few of them appeared at your Georgia mill

when you were needing men, and asked for jobs; would you employ them?"

"Certainly not. Right there my troubles would begin."

Yet this man had just told me emphatically that the foreign labor was not one of the factors driving the mills out of New England. It is a curious attitude they take, and one I tried hard to fathom. After all the interviews were over and I had returned to the quiet of my study to mull over the notes I had made during the evenings of my trip, this attitude puzzled me, and I selected five of the men with whom I had discussed the labor question at greatest length and who seemed to have given it more study than most, and wrote almost identical letters to them, asking if it was true, as some people believe, that the foreign element organizes more readily, is more receptive to socialistic ideas, and therefore to legislation favoring confiscatory taxes, and if the foreign element was any more exorbitant in demands for high wages than our native population. I suppose I am no more tenacious of a belief than most of us, but this was one last effort to get at the truth by proving my original contention. I may have got at the truth, but if I did I certainly disproved my original belief.

My five letters brought five replies. Two were from men who operate mills in both North and South. One was from a man who operates no mills, but is in a position peculiarly well suited to a thorough study of the question, and he appears to have made the most of his opportunities. One was from the treasurer and general manager of a textile machinery company, and he seemed to have gathered a large fund of information on this question from many sources. The fifth was from the editor of a paper that is a recognized authority on cotton textile problems of both South and East. Since three of the writers asked that they be not quoted I will quote none, but each is a man whose name would add great weight to his testimony.

Said the editor:

"I do not know that the matter of union organization and the demand for shorter hours and higher wages is due to the fact that the majority of workers in the Eastern textile mills are foreigners and immigrants. I suppose it is due to the fact that there is great competition for labor. In the South, the cotton mill workers are pretty nearly bound to work in cotton mills or not work at all—there is no other great industry to which they can turn. In New England, under average conditions, there are many other industries seeking—all the time—the textile mill operatives. The higher taxes are not due to the foreign element particularly. In the town where I live, just outside Boston, about all the people are Anglo-Saxon Yankees, but we have high taxes just the same. We pour out money on schools and roads and park systems and playgrounds, and police and fire departments. Everything we do along those lines would be good, if not overdone—but it is all overdone. * * *

Another writer replied:

"I have your letter in regard to the influence of the foreign element in New England. A hundred years ago and more New England had the opportunity, although she

did not know it, to choose between native stock and the introduction of the foreign element. Had she chosen to remain native, she would have had practically no industrial future and her native stock would have increased too slowly to meet any large industrial demands.* She chose, wisely or unwisely (and this depends on your point of view) to use foreign labor. This she has done * * * Twenty years and more ago I said that we New Englanders belonged to a vanished race. Native pride laughed at the statement, but the facts were then, and are increasingly so now, as stated.

"Labor legislation in New England was not initiated by foreign-born citizens, but by native stock, as a part of the idealism that has been our heritage. It was not even forced by the unions, although they gladly gave every possible aid. As has been customary for many decades, this legislation was far ahead of the time and imposed a considerable burden on industry. The same thing is true of taxes, which are naturally higher where the ideals and civilization are far advanced. In this the foreign element, having few if any ideals, could not and did not participate, except by way of support. I do not blame altogether the politician, for he often reflects, rather than leads, public opinion. In this case, again, he reflects what he thinks as to idealism which has characterized and still characterizes New England. Generally speaking, the foreign-born are not well organized in labor unions, or even strongly inclined toward them. The strongest unions in the textile industry are Anglo-Saxon, including Celts (English and Irish). Whatever opinions foreigners may hold when they come here, with the possible exception of the very recent ones who may be more or less socially inclined (this in reply to my query about the tendency of foreigners to socialism), there is a strong affection, particularly among the children, for American institutions, and appreciation of American ideals."

A third letter ran as follows:

"Regarding your question as to the foreign element being responsible for the higher wages in the North, I do not think this is correct. I believe that the higher wages in the North are due to the fact that the North is a diversified manufacturing section; the cotton mills compete with other industries and have to pay the same rates, whereas, in the South, the cotton mills compete against one another and the requirements and standards of living are much lower among the Southern employees. Higher taxes are due largely to the greater requirements of the Northern states and cities, the extensive road building and the greater expense of city administration. I do not think the foreign element is responsible either for the higher wages or for the increased taxes in the Northern districts."

The other two letters simply corroborate the points made by those quoted.

One representative of the working class told me that mill men try to use the high taxes, high wages and short hours as a club to beat down wages. "And they like to have the difference in wages and taxes discussed in Southern papers," he said. "They think it will help to strengthen the unions in the South, and even up conditions between North and South." It seems likely they do use the differences as talking points in negotiating with the unions for lower wages, for the differences are perfectly apparent and their effect cannot be overlooked or questioned by anyone not determined to disregard them.

Whatever the motive may have been, the men I talked with were thoroughly agreed that the foreign labor was no great drawback. "You give me the same hours, the same wages and the same taxes," said one man, "and I won't know there is any South. But as things are now, whenever there is the least depression the Southern mills will operate on full time, or near it, and sell at a profit for less than the cost of manufacture to us. All we can do is fill up the holes. If the depressions come often enough or last long enough, a lot of our mills will go into bankruptcy."

These were the views not alone of the speaker, but of many

other men as well. During the war there was considerable expansion of cotton mills, especially in the South. The result is that we cannot use up the cotton goods as fast as we can make them. Our productive capacity exceeds our demands. Now, if our mills are divided into two groups, and those in one group can sell at a profit for less than the cost of manufacture in the other group, what can one expect? The result is that the cotton textile capacity of New England is not expanding; it is shrinking, and many men whose opinions are entitled to respect think it will continue to shrink for a long time before it can reach a more sound or stable basis. I do not know of anyone who believes all the cotton mills will leave New England; but, on the other hand, I do not believe any of the men I talked with believe New England will retain as large a cotton industry as she has today.

In contrast, the Southern branch of the industry is growing all the time. In 1880 the South had 687,066 active spindles and 14,754 active looms, while the rest of the country, which means New England principally, had about fourteen and a half times as many, or 9,966,369 active spindles and 211,005 active looms. In 1923 the South had 16,344,000 active spindles and 305,577 active looms, while the rest of the country had 19,916,000 active spindles and 390,040 active looms. The number of cotton spindles active during December, 1924, in the cotton-growing states of the South was 16,785,629, compared with 14,278,058 active spindles in the New England states; or, strictly speaking, last December the cotton-growing states of the South had 2,507,571 active spindles more than the reported active spindleage of New England. On December 31, 1924, the cotton-growing states of the South had 17,359,420 spindles in place, compared with 18,561,220 spindles in place in the New England states, but the active spindle hours for December in the cotton-growing states was 4,624,716,928 hours, or 266 hours per spindle in place, while New England reported 2,867,153,619 active spindle hours, or only 154 hours per spindle in place.

When it is realized that the South has about half of all the active spindles and over 40 per cent of the active looms of the whole country, we get only a part of the story, for the South is consuming about 64 per cent of the raw cotton manufactured in the United States, which is about twice as much as the cotton consumption in the rest of the country. Of course, the South's larger consumption is due in part to the coarser goods manufactured, which require a larger quantity of cotton than the finer counts.

Part of the Southern industry has come out of New England. In South Carolina, the Pacific Mills have 30,000 spindles, 500 looms, a bleachery and a finishing plant. Much of this equipment was taken right out of mills in Lawrence and moved South, and all of it would be in New England today but for the greater advantages of the South. The Beacon Manufacturing Company of New Bedford is building a mill in the South. The Fairhaven Mills of New Bedford have shipped several thousand spindles and complementary looms to its new branch plant in Texas. Eighty thousand spindles and complementary looms are being taken out of the cotton mills of the American Printing Company in Fall River and set up in Tennessee. The Lonsdale Company has purchased a mill in the South. This represents expansion that would have taken place in New England if it were not driven out. The Jenckes Spinning Company of Pawtucket R. I., has purchased and very much enlarged the Loray Mills in North Carolina. It has taken much equipment right out of Pawtucket to South Carolina.

The following appeared in the leading editorial of the *American Wool and Cotton Reporter* for January 22, 1925:

"The interest of New England manufacturers in Southern locations, and the investigation of the claims of advantages in Southern manufacturing conditions, as to wages, hours of

*Author's Note—"From 1640 New England received no immigrants until after 1820, when the modern immigration of Irish and French-Canadians began. In that period, from 1640 to 1820, her population * * * increased by the natural method of births at a more rapid rate than it has increased in modern times with the aid of all the foreigners that have been poured upon the country."—*Men, Women and Manners in Colonial Times*, Vol. 1, p. 131. Sydney George Fisher.

operation, taxes, etc., increases rather than otherwise. Since the first of the 1925 year *there have been more New England manufacturers scouting through the South than there were during the whole twelve months of 1924.*

"A Rhode Island yarn-finishing plant is reported preparing to move its whole equipment to a North Carolina town. The officials of a western Massachusetts cotton mill have been in Galveston, Texas, since the first of the year, investigating a proposal to transplant part of their machinery from Massachusetts to Texas. A large New England gingham mill had an option on 1800 acres in Anniston, Ala., last year, but allowed the option to expire. They are interested in the South, and officials of this mill have been down there recently. A Lowell mill has actually purchased acreage near Gainesville, Ga. Another one is dickering with Abbeville, S. C. A Massachusetts knitting mill is considering a proposition from a North Carolina town to transfer 40,000 spindles from Massachusetts to that town."

From unquestionable sources I have managed to gather the names of some of these firms. The western Massachusetts mill investigating Galveston, Texas, is the West Boylston Manufacturing Company of East Hampton, Mass. The "large New England gingham mill," mentioned in connection with Anniston, Ala., is the Everett Mills of Lawrence, Mass. The Lowell mill that has actually purchased acreage at Gainesville, Ga., is the Appleton Co. of Lowell, Mass. The Rhode Island yarn-finishing plant refers to the Home Bleach & Dye Works of Pawtucket, R. I. The mill that is considering a proposition from a North Carolina town is the Lawrence Manufacturing Co. of Lowell, Mass.

This list doesn't begin to cover all the movement of equipment from New England or expansion that would have remained in New England under more favorable conditions.

In this connection misleading statements occasionally appear in New England papers, whether from a mistaken idea that confidence in the situation must be bolstered up or through carelessness, I do not know.* Last September, a Boston paper published a photograph of a draftman's composite drawing of all the textile mills erected in New England during the last four years by one firm of contractors. Seventy-one mill buildings were shown in the photograph, and the superscription ran as follows: "Much Building for New England Textile Industry. Construction Work of Large Boston Company in Last Four Years Significant of Growth, Despite Southern Competition in Cotton Manufacture." Now there is nothing wrong with that superscription, except that it is rather misleading. And the article that followed faithfully bore out the false impression almost anyone would gather from the superscription—namely, that considerable cotton mill construction was in progress in New England. Even some statements made by the vice-president of the construction company were, whether carelessly or carefully I do not know, so selected by the writer as not to contradict the impression. The fact is that all the construction shown in that picture was for the woolen, mohair and worsted industries. No one of those 71 textile buildings erected by that company during the previous four years is to be used for the manufacture of cotton goods of any description. If that article had been headed, "Construction of Woolen, Worsted and Mohair Mills in New England, While Cotton Mills Wage Losing Fight With Southern Competition, Illustrates New England's Famous Adaptability to Adverse Conditions and Indicates That If We Cannot Hold All of Our Cotton Mills We Can Fall Back On Our Proved Skill and Resourcefulness to Turn to Something Else and Make More Money Than Ever Before," the writer would probably have come much nearer the truth. Furthermore, he would have taken a really constructive step in helping to lead New England textile industry into better days. He would have shown a high degree of understanding of the situation, and some

*Author's Note—In fairness to New England I should say that the "bunk" used in her papers in "bolstering" probably does not exceed that used in Southern papers in "boosting."

unusually high-grade leadership and courage. Instead, he merely revealed some ordinary human nature.

All of New England's industries are built upon skill in manufacture and marketing. The early settlers of New England had their choice of bringing raw materials from great distances to be manufactured in New England, or of moving to the source of the raw materials. For various reasons, they chose the former. With energy, courage, skill and determination of the highest order, they developed the greatest industrial section of the nation. There is no reason to suppose that the qualities that made for success in past generations have in any degree abated in the present generation. What if their population is 60 per cent foreign stock? The present industries were developed by Anglo-Saxon leadership with foreign labor, but today many of the industrial leaders of New England are the children of immigrants. The Anglo-Saxon race has no monopoly of the qualities that make for industrial success. I see no reason to doubt that New England's industrial prosperity will continue for many generations.

However, this does not mean that New England can make whatever product she chooses to make, regardless of competition. It means that if one product becomes unprofitable after it has served its purpose in developing the section, the manufacturers of New England, with their usual adaptability, can learn to make another. When the whaling industry was killed by the introduction of kerosene, the whaling interests of New Bedford faced the possibility of complete ruin. No doubt a few individuals experienced it, and I imagine that they were the ones who clung tenaciously to whale oil and loudly proclaimed that kerosene could never equal their product. But, on the whole, New Bedford made the transition from whaling to cotton manufacturing with such success that far more money was made in the latter than ever was made in the former.

If today the cotton mills of New England cannot compete with the cotton mills of the South in the manufacture of the staple, highly-competitive lines, some of them will go under, but many will turn to other lines and continue. If they find that they cannot compete in the manufacture of the finer grades, they must eventually turn to something entirely different.

257 Flax Hill Road,
South Norwalk, Conn.

\$1,500,000 Ford Plant Completed at Louisville.

Louisville, Ky.—The new \$1,500,000 assembling plant erected here by the Ford Motor Co. of Detroit has been completed and formally opened. This new unit is 1000 by 300 feet and will employ 1000 workmen for assembling automobiles, its production at first to be approximately 200, which is about one-half its capacity. A spur of the Kentucky & Indiana Railroad extends along one side of the building, the floor of which is on a level with the bed of the car, to facilitate loading and unloading. About 45 cars will be required daily to bring assembling parts and an equal number for taking away completed machines.

Amarillo Office Building to Cost \$360,000.

Amarillo, Tex.—General contract has been awarded by the Amarillo Building Co. to the Fred Bone Construction Co., Amarillo, at \$359,040, for the erection of its proposed office building here. The structure will be 8 stories and basement, 50 by 140 feet, reinforced concrete construction, with cement, tile and terrazzo floors, gravel roof and concrete foundations. It will be equipped with two electric passenger elevators. Contract for plumbing and heating has been awarded to the W. M. Hayman Plumbing & Heating Co., Amarillo. Shepard & Wiser of Kansas City, Mo., are the architects.

\$1,500,000 LINE TO CONNECT AUGUSTA WITH SUPER-POWER SYSTEM OF SOUTHEAST.

100-Mile Steel Tower Line to Toccoa, Ga., Plant of Georgia Railway & Power Co.—Insures Unlimited Power Facilities for City and Section.

Augusta, Ga., February 7—[Special.]—Unlimited hydro-electric energy will be furnished Augusta and this section and small towns throughout eastern Georgia and western South Carolina by reason of the physical connection which will be made by the local power interests with the main transmission line of the Georgia Railway & Power Co. at Toccoa, Ga. The improvement, which will cost in the neighborhood of \$1,500,000, will be completed by September 1, according to F. B. Cilley, general manager of the Augusta-Aiken Railway & Electric Corporation following a stockholders meeting of that company here. The Augusta-Aiken is operated by J. G. White & Co. of New York, while F. Q. Brown of Redmond & Co., New York bankers, is president of the company. This electric company some years ago constructed a power dam across the Savannah River, about ten miles above Augusta, at the confluence of the Savannah with Stevens Creek, and almost every industry in this section has been electrified, leaving very little power for new industries.

For several years the problem of more power has been agitated, and the rapid expansion of Augusta was being retarded for lack of adequate power. The officials of the Augusta-Aiken studied the question closely, and finally decided to tie-in with the Georgia Railway & Power Co.'s line, which in turn is connected with the Southern Power Company, the Tennessee Power Company, the Alabama Power Company and other great hydro-electric companies of the Southeast. A steel tower line will be built at a cost in excess of \$10,000 per mile. It will parallel the Savannah River from Toccoa to the plant of the Georgia-Carolina Power Co.—which is a subsidiary of the Augusta-Aiken—at the mouth of Stevens Creek, a distance of 100 miles.

The fact that the great Southern power companies through interconnection of their lines are virtually pooling their vast power supply, and the further fact that they have undeveloped power sites under control which will provide an enormous source of supply in the future, means much for the industrial development of the Southeast, in the opinion of prominent people of this section.

According to the management of the Augusta-Aiken, the power to be sold here will be cheaper than in almost any other state in the Southeast. With an ideal climate, excellent labor conditions, the prospect of early tax exemption for a period of years and an abundance of electric energy due to the super-power system with which Augusta is to be served, this city should go rapidly forward. A population of 250,000 people by 1950 is freely predicted by the citizens of Augusta, who call it "the city with a golden future."

Dam and Power Installation to Cost \$670,000.

Asheville, N. C.—Wide interest has been aroused in this section by the recent announcement of a contract between Chimney Rock Mountains, Inc., Chimney Rock, N. C., and the Blue Ridge Power Co., Spartanburg, S. C., to which reference has already been made in the MANUFACTURERS RECORD, whereby the latter company will purchase the electrical power output of the Lake Lure Dam to be constructed by the Chimney Rock Company as a part of its extensive resort and homesite development near Asheville. The power contract involves 13,500,000 kilowatt hours per year, for which the Blue Ridge Company will pay one-half cent per kilowatt hour.

Construction has begun on a 6-mile transmission line which

will connect the Turner Shoals plant of the Blue Ridge Company with the site of the dam. This will supply power for dam construction and will later be used to carry power generated at the Lake Lure plant. T. N. Willis, Spartanburg, is the engineer in charge. The lake will cover 1500 acres.

Plans for the dam call for a reinforced concrete structure 102 feet high and 575 feet wide. Bids for construction have been invited from a number of contractors by Mees & Mees, engineers, Charlotte, and estimates are to be in by February 17. It is hoped to begin construction very soon after that date. The dam and power installation are estimated to cost \$670,000.

The initial development program of the Chimney Rock Company, estimated to cost \$4,000,000, embraces 8000 acres of land, on which it is planned to build hotels, golf courses, highways, trails and other facilities for sport and recreation. A large amount of preliminary work is expected to be accomplished during the coming summer. A phase of the development will involve the construction of a highway five and one-half miles long to replace the present highway, which will be submerged. Contracts are now being received for the construction of the road, and work is expected to begin within a few weeks.

West Penn Company Consolidates Light and Power Properties in West Virginia, Ohio and Maryland.

Fairmont, W. Va.—A. M. Lynn, president of the West Penn companies, announces that a consolidation of all electric light and power companies of the West Penn System in West Virginia, Ohio and Maryland has been effected. This has been accomplished by transfer to Monongahela West Penn Public Service Co., Fairmont, W. Va., of the physical properties and assets of the Brooke Electric Co., West Virginia & Maryland Power Co., Parsons Electric Co., West Virginia Public Service Co., St. Mary's Power & Light Co. and the West Maryland Power Co.

The Monongahela West Penn Public Service Co. already operates in Monongalia, Marion, Wetzel, Tyler, Wood, Harrison, Lewis, Barbour and Braxton counties, West Virginia, and Washington county, Ohio. The West Penn Co., which is controlled by American Water Works and Electric Company, Inc., of New York, is likewise the owner of West Penn Power Co., West Penn Railways Company and Wheeling Traction Co. and their subsidiaries.

Operation and management of the Monongahela Company will continue under the administration of Capt. George M. Alexander, president, with headquarters at Fairmont. No definite plans have been made for extensions of the properties other than those which may become necessary from time to time to adequately take care of business in the territory covered by them.

Plans \$100,000,000 West Virginia Coal Merger.

Clarksburg, W. Va.—Negotiations for the consolidation of coal properties in Harrison, Marion and Monongahela counties, West Virginia, valued at \$100,000,000, are now in progress, according to a statement of Flint & Co., Inc., and A. H. Bickmore & Co., both of New York, who are handling the deal. The properties are said to involve 75,000 acres, with 150 mines, having an annual capacity of more than 15,000,000 tons.

Proposal for consolidation, it is said, came from operators of the properties and are based on economic considerations.

The city of Houston, Texas, plans to vote April 13 on a bond issue of \$500,000 for water-works improvements.

Rough Sledding for the Twentieth Amendment.

By VICTOR I. MASTERS, D. D., Editor of Western Recorder.

[The Western Recorder, of which Dr. Masters is editor, is one of the leading Baptist papers of the country.—Editor Manufacturers Record.]

As regards the proper attitude to assume concerning social and political movements that have definitely moral and spiritual bearing, the responsible elements of the American pulpit and religious press find themselves between Scylla and Charybdis.

On the one hand, they have realized the necessity of setting their faces against the tendency in certain liberal religious quarters to declare that it is the chief business of the churches to exercise an authoritative mass-pressure in remedial legislation in the name of constituted Christianity, while they ignore the Bible requirement of the regeneration of the individual. On the other, they are convinced that they have an obligation to warn their constituency of dangerous and un-American tendencies in politics—not to the end of political dictation to the State by the Church, but to educate individual Christians as to the spiritual quality of the proposed political action.

The responsible religious press of the country, as well as the responsible ministers in their pulpits, is essentially sound and essentially patriotic. But confusion of mind doubtless has kept many from dealing with some of those political problems that have definite moral and spiritual implications. One of the danger points at which Christian people may be misled grows out of their sympathy and interest in human welfare. Bolshevism and social radicalism are well aware of the ease with which ministers can be enlisted in helping the weak against the strong. Therefore, they concoct hypocritical humanitarian appeals, seeking to touch the hearts of truly good people, who, if they were informed, would, of all people in America, hold in the utmost abhorrence the sentiment-veneered proposals of radical socialism and communism.

More and more, as the Christian people of the country become informed as to the malign influences that were the chief responsible pushers for the Child Labor Amendment, will they rejoice that the nation was saved from falling into this snare. It is alarming to the informed observer to realize that these subversive elements could catch the American Congress napping to the extent of authorizing the presentation of the Child Labor proposition to the various states for approval. Citizens feel that they have a right to believe that Congress knows where Americanism ends and where communism begins, and that they can trust this highly exalted body to protect them from being exploited.

Yet, in the fair name of protecting childhood from a heartless industrialism and from supposedly incompetent and greedy parents, and though practically every state in the Union already had an adequate child labor law, the country has been treated to the spectacle of Congress passing the indefensible proposition of the Child Labor Amendment on to the legislatures of the states for their action, with the idea of it becoming a part of America's fundamental law. The proposed amendment was couched in the following terms:

"Section 1. The Congress shall have power to limit, regulate, and prohibit the labor of persons under eighteen years of age.

"Section 2. The power of the several States is unimpaired by this article except that the operation of state laws shall be suspended to the extent necessary to give effect to legislation enacted by the Congress."

It is reassuring to know how generally the various states have reacted to this socialistic propaganda of meddlesomeness and control by Government bureaus by turning it down. At this writing, thirteen legislatures have rejected it. Our jealousy for the dignity and discerning Americanism of

the state legislatures leads us to hope that this Amendment will be not only defeated—that seems already assured—but also subjected to the rebuke of being turned down by every self-respecting Commonwealth in the nation. We can see how some states that first acted may have been caught by the fair-seeming, but unworthy, sentimentalism through which this Amendment was to be put across. But, it would make one despair of Americanism if they would ratify the Amendment after understanding what it means.

The Christian and Hebrew Scriptures place the control of the child as a responsibility upon the parents. It is a responsibility which many have shirked, but for parents in general to abrogate the God-given responsibility of controlling their children would be sowing the seeds of anarchy and the overthrow of all authoritative government. No informed Christian man can be indifferent to the encroachments that would take from the parent the control of sons and daughters up to their eighteenth year and allow a Government bureau at Washington to dictate as to where and under what conditions they may work, even in aiding their parents about the home. This legislation also has wrapped up in it the proposition of centralized educational control. The proof is abundant that connected with the proposed Amendment are the anarchistic and godless meddlesomeness of the propaganda forces of Russian bolshevism at Moscow.

The Amendment is antagonistic to the spirit of Americanism and to the general spirit of the Constitution itself, as well as to the teachings of the Bible. Christian men who understand the Bible and believe in following its teachings, instead of those of the unbaked idealism of every propagandist who can force his way into the American press and university professorships, have a very definite responsibility to safeguard the liberties of the American people.

The Bible faith made this country. It made possible even our vast material wealth. It made possible the unmatched liberties of our citizenship. Therefore, no intelligent Christian citizen, much less any Christian minister or religious newspaper, can be indifferent to any proposition that has in it potentialities that would destroy our American institutions and permit the unspeakable folly of taking even from parents the responsibility which God has placed in their hands, of the control and nurturing of their own immature offspring.

The good citizenship of the nation is under definite obligation to patriotic societies and newspapers that have sought to inform and warn the people about the insidious evils that were wrapped up in this fair-seeming proposed Amendment. The writer knows of no single publication in the country which has wrought with more devotion and ability to arouse the people on this subject than has the MANUFACTURERS RECORD of Baltimore. Knowing that radical socialism and bolshevism and their dupes would immediately take up the cry that its motive was to protect the "godless manufacturers" of the country, the MANUFACTURERS RECORD did not hesitate a moment to do its manifest duty, and its standing is so well established for unterrified truthfulness and patriotism that the falsehoods of the proponents of the Child Labor Amendment were unmasked wherever this publication reached.

It is a matter for general rejoicing that this proposal, seriously and industrially backed up by the propagandists of the unspeakable Moscow group, is being promptly and generally rebuked in America. May the experience teach this country,

and especially the Christian people in it, the necessity for alert watchfulness in regard to all proposed legislation that masquerades under the guise of a superior brand of humanitarianism and universal sympathy!

A Suggestion to Governor Peay of Tennessee on the Twentieth Amendment.

Chattanooga Armature Works.

Chattanooga, Tenn., January 24.

Editor Manufacturers Record:

There is a very strong effort being made in Tennessee, especially by the women's clubs and organizations, to have the Twentieth Amendment tacked on to our already top-heavy Constitution.

I am enclosing you a copy of letter written to our Governor regarding this matter. It seems that he committed himself during his campaign, and he wants to stand by his assertion that he was in favor of this bill.

I am also enclosing you clipping from a Nashville paper. You will see that the labor unions are making a strong pull in behalf of this Amendment.

I wish to commend your good efforts along this line, and I trust that we may be successful in defeating this bill in this state.

FRANK STEFFNER, President.

The letter to Governor Peay, to which Mr. Steffner refers, was as follows:

[Copy.]

January 23, 1925.

Hon. Austin Peay,
Nashville, Tenn.

My Dear Governor:

I note from a Nashville paper that at a banquet given to the members of the legislature Mr. Albert E. Hill read a letter from you in which you stated that your campaign pledge in favor of the Twentieth Amendment was still binding.

I certainly regret that a man of your intelligence would make such a statement, and I feel sure that you have not looked into this matter thoroughly. I am enclosing you two pages from this week's issue of MANUFACTURERS RECORD, and I trust you will at least take time to look these over.

This Twentieth Amendment is one of the most infernal propositions that has ever been put up to the state government, and while the writer is past the age where he has a family to raise, I am free to say that if this thing had gone into effect 20 years ago I would now have been a resident of Mexico or some other country. Whenever any bureau at Washington pretends to tell American citizens how to raise their family, there will be something else raised in the United States, and you won't begin to spell it with "F."

Trusting that you will look into this matter carefully and prayerfully, and with best wishes, I am,

Very truly yours,

FRANK STEFFNER.

Since the foregoing was written the proposed Amendment has been rejected by Tennessee in both houses.

The Truth Vs. the Child Labor Agitators.

Mineral, Va., January 19.

Editor Manufacturers Record:

Knowing the MANUFACTURERS RECORD's way of doing things, I was very optimistic about "The South's Development," but must say it took me completely "off my feet." This is by far the most thorough work and compilation of facts and figures of the South that has ever come to my notice and I am sure the greatest ever published. The South should prize this highly and make an effort to put it before every man, woman and child; it is an education within itself. Every department has been thoroughly and intelligently covered and the statistics make it invaluable for present and future reference.

Coming out at this time, the outstanding department is the

"Cotton Mill Employes of the South." The so-called bolshevistic Child Labor Amendment I think is aimed at this business especially. Your work in this will do more for the improvement of the conditions and the education of the children than the child labor measure could ever do. Educating the young employes into improvement will be far better than trying to force them.

From cover to cover, it is the last word in the South's development.

HENRY P. SWARTZ.

Where Would George Washington Have Been?

An interesting contribution to the debate on the Child Labor Amendment is found in the following letter from Matthew Page Andrews of Baltimore to Senator Thomas J. Walsh, one of the leading proponents of the Amendment:

"Thank you for your note of January 13, and I received a copy of your address on the Child Labor Amendment some days later.

"Of course, in view of your record of public service in exposing the soul-destroying corruption in our Government, I respect your ideas; but, I cannot for the life of me understand how a Jeffersonian Democrat can uphold or advocate paternalistic legislation—yet, you may not believe in the principles of Thomas Jefferson. The Republicans have usually taken ground against the fundamental American principle of local self-government. On the other hand, there are some Republicans who are now drifting over to Jefferson, and some Democrats who are turning away from Jefferson into the paternalistic camp.

"Certainly, the people of Massachusetts struck a note of overwhelming opposition to the proposed Child Labor Amendment, and recently the farmers of Kansas did the same thing.

"As a boy I worked hard before the age of 18. The most successful Americans that we know of worked before they were 18. Where would George Washington have been if they had had, in his day, a child labor law! His older brothers received an education handed out to them on a silver platter, but George had to make his own way. You don't hear about George's brothers, but you do hear about George. Six of the most successful men of Chicago have been 'written up' in the magazine called 'Liberty,' and every one of them might have amounted to little or nothing if an extensive education had been well-nigh forced upon him. I feel that, if paternalistic legislation keeps up, we should adopt as our national emblem the oyster in lieu of the eagle. The oyster has its food brought to it, while the eagle goes in search of what it needs. * * *

"Furthermore, even if only one state objected to the child labor law, the people of that state would have a right to legislate in regard to their children in any way they see fit. If they should permit 'exploitation' of their children, public opinion would eventually force reform, but it should come from the people of the state and not through the Federal Government. This is the American principle which the founders of our Republic regarded as most sacred.

"In my opinion, there is very little 'exploitation' of children in this country today. In fact, educational facilities are made so easy that large numbers are likely to favor oysters rather than eagles. Danger lies in pampering as much as in hampering. I have known of any number of youngsters who were unfitted for higher education, and would have been better off with some good, hard manual work under the 18-year limit. Again, there are many who have gone through college who are misfits, and always will be, because education was made too easy for them. If this be treason according to the modern terms of paternalism and fostering, then I am afraid that we shall have to make the most of it!"

Contract for \$318,000 Barracks at Fort Benning.

Fort Benning, Ga.—General contract has been awarded to Algernon Blair, Montgomery, Ala., at \$318,000, for the erection of the proposed barracks at Fort Benning for the Twenty-ninth Infantry of the United States Army. Construction will be of brick and concrete, and work will begin at once, this being the first step of the War Department to transform the encampment into permanent barracks. Completion of the program will entail an expenditure of approximately \$1,000,000.

Problems of the Southern Farmer.

AGRICULTURAL WORKERS IN ANNUAL MEETING AT ATLANTA—INDUSTRIAL AND COMMERCIAL DEVELOPMENT ESSENTIAL TO PERMANENT PROGRESS ON THE FARM.

[Special Correspondence Manufacturers Record.]

Atlanta, Ga., February 9.

Clarence Ousley of New Orleans, well-known agriculturist and secretary-manager of the National Boll Weevil Control Association, was elected president of the Association of Southern Agricultural Workers at its twenty-sixth annual convention, held at the Hotel Biltmore here. Other officers elected were: Dr. Andrew M. Soule, president of the Georgia State College of Agriculture, vice-president, and H. W. Barre, director of the South Carolina experiment station at Clemson College, S. C., secretary. J. N. Harper of Grace & Co., Atlanta, the retiring president, and Dr. H. A. Morgan, president of the University of Tennessee, were named on the executive board.

More than 500 leaders from agricultural colleges, experiment stations and state departments of agriculture attended the meeting. Following an address of welcome by Governor Walker of Georgia, President Harper made a brief address in which he made a strong plea for the "love of the land" on the part of the landlords in the South.

There is, Mr. Harper declared, too much indifference on the part of the Southern landlord as to how his land is worked, resulting in careless farming and soil depletion, instead of diversified practices and soil building. He urged the necessity of more careful oversight on the part of landlords, and stated that one of the biggest problems faced by the South was that of turning the large tenant class of farmers in the section into land-owning farmers. He added that communities should make every effort to change tenants into owners in the interest of farming in general, and that particular efforts should be made to finance the tenant farmer in his efforts to grow into land ownership.

Other speakers on the program included Dr. H. A. Morgan, president of the University of Tennessee; Dr. E. C. Branson of the University of North Carolina, who spoke on "Features of Rural Prosperity in Denmark That May Be Applied to Regions of the South," and Dr. Thomas B. Cooper of the University of Kentucky, who addressed the convention on "Economic and Social Research in Improving Southern Rural Conditions." Dr. Morgan declared that there could be no marked agricultural progress in the South until the Southern states had built up their commercial and manufacturing enterprises, and urged all delegates to the convention to work towards that end. Also, he pleaded for comprehensive surveys in all the Southern states, showing where they stood in comparison with other states of the Union and bringing out the particular work to be done in each.

Danger of boll weevil infestation during 1925 was stressed in a report, which stated that the experience of 32 years in boll weevil work indicated that there would be a heavy infestation of weevils in many sections this spring, and appealed to all farmers, bankers, merchants and other business men in the South to use their utmost efforts to secure the widest possible use of boll weevil control methods as recommended by the Association.

Dr. Soule stressed the importance of the college of agriculture and of vocational schools in the farm programs and of vocational schools in the farm programs of the South, and said that the three things most needed in the South are personal leadership, better soil management and more and better schools. The most important of the three, he believed, is more and better schools. He was followed by J. N. Lipscomb of the Mississippi Agricultural and Mechan-

ical College, who spoke on "An Agricultural Policy for the South," and O. H. Hankins of the Department of Agriculture, Washington, D. C., who rendered a report on the co-operative soft pork investigations being conducted by the Government and various experiment stations. Among the speakers appearing at other sectional meetings were J. J. Taubehaus of Texas, C. D. Sherbakoff of Tennessee, R. J. Haskell of Washington, D. C.; G. N. Hoffer of Indiana, F. C. Meirer of Washington, D. C.; R. P. Barnhart of Mississippi, L. E. Miles of Alabama, D. C. Neal of Mississippi, J. B. Deamaree of Georgia and S. M. Derrick of South Carolina.

Agricultural experts and workers from thirteen Southern states were in attendance, and experts addressing the meeting were drawn from every part of the United States, thus giving it far more than a sectional aspect. Practically every serious problem facing Southern agriculture was discussed, and its value in developing leadership and stimulating interest in the farm problem of the section cannot be overestimated, according to the participants.

Electricity in Poultry Raising.

Alabama Polytechnic Institute

Co-operative Extension Work in Agriculture and Home Economics.
Auburn, Ala., January 27.

Editor Manufacturers Record:

We have here at Auburn a very modern electrical poultry farm. The farm consists of 40 acres of well-drained, sandy loam soil. At present we have 960 birds in an egg-laying contest. We have 140 birds under experimental conditions.

We have a modern farm home, equipped with all the modern electrical devices conceivable. In addition to this, we have a two-story combination incubator and feed house. We have installed in the incubator room certain kinds of incubators which we are contemplating running in the near future. The feed room will be equipped with certain feed grinders and mixers.

The 48 contest houses divided into two pens each are lighted with two 40-watt lights. The contest started on November 1, 1924. The electric lights were installed last week, and the birds were placed under lights for the first time on the night of January 21, using the evening lunch system, that is, feeding a hot mash to the birds from 8.15 to 9.15. This has stimulated egg production very materially.

To give you an idea of what this means, our highest production up to yesterday was 481 eggs from the 960 hens in the contest. Yesterday we gathered 514 eggs from the same number of hens. Within the next four or five months we will be able to give you complete data on incubation and brooding problems.

JOHN E. IVEY,

Head, Division of Poultry Husbandry.

Will Vote on \$1,784,000 School Bonds.

Clearwater, Fla.—Petitions have been approved by the County School Board for bond issues aggregating \$1,784,000 for schools, and an election has been called for February 27. Proceeds from the bonds would be used to erect buildings and apportioned as follows: St. Petersburg, \$1,116,000; Safety Harbor, \$55,000; Largo, \$75,000; Clearwater, \$224,000; Lellman, \$165,000, and Dunedin, \$105,000.

ENCOURAGING BUSINESS OUTLOOK AT BIRMINGHAM.

Special Activity in Cement Plants and Other Industries of the District.

[Special Correspondence Manufacturers Record.]

Birmingham, Ala., February 6.

The business outlook in this city and section is most encouraging, and preparations are being made by many of the large manufacturing concerns to take advantage of increased business which is surely on the way.

The Birmingham Slag Company is busy and their outlook for large and additional orders is encouraging, and this applies as well to their other large plant in Montgomery known as the Montgomery Gravel Company.

The Lehigh Portland Cement Company has increased production at its Tarrant City plant from 1,500,000 barrels per annum to more than 1,800,000, and is now engaged in doubling its storage capacity. The National Cement Company is enjoying a most liberal share of business, with increased orders for their product. The Phoenix Portland Cement Company is adding a unit to their plant in North Birmingham amounting to an increase of one-third more, which will total 2,000,000 barrels of cement. On all hands the cement industry is showing great gains, and it is fully expected that before long, with the large amount of building operations, there will be a still greater demand for this product.

The Alabama Clay Products Company is busy and greatly encouraged at the prospect for increased sales. This company manufactures fine fire brick, cupola linings, milled fire clay, all standard and special refractory shapes.

A large number of the industries of the Birmingham district have broken records, which is another good indication of the general improvement all along the line. The rail mill of the Tennessee Coal, Iron & Railroad Co. produced 54,219 tons last month, which was 2567 tons more than the previous best record. The coal mines are also showing increased production. The mill at Fairfield turned out 9000 tons of plates, compared with 7809 tons heretofore, and so a steady improvement is shown, and is continuing.

The Continental Gin Company is enjoying a good volume of business and the prospects are encouraging for increased output and sales. The Kirkpatrick Sand & Cement Co. has a most encouraging condition to report of increased business, with the prospects inviting for a big volume of increased trade this year. The Hammond Iron Company has moved into its fine suite of offices in the American Trust Building, and this is another company enjoying a big volume of business and one of the substantial companies of Birmingham and the South, and they can see the upward trend of business.

Much attention is being given now to the location of Birmingham as an admirable place for cotton mills, and indeed it does present many advantages. An abundance of raw material is to be found here and an absolutely unlimited amount of cheap power, as well as an abundance of labor, not to say how much coal is also available, and the kind of coal suited for textile purposes. The Chamber of Commerce, through its efficient secretary, O. L. Bunn, is always on the alert for everything that will conduce to the growth of this city. His organization is constantly looking out for large and small manufacturers, in the belief that this city and state have the things so much desired by manufacturers.

It is most gratifying to hear the reports from the leading industries of the Alabama district, as well as other sections of the South, and before a great while it is reasonable to suppose that business is going to be to the liking of those who are anxious to participate in increased volume.

I. S. FIELD.

Financial Statistics of North Carolina, 1923.

The Department of Commerce announces that the total payments for expenses, interest and outlays for the state government of North Carolina for the fiscal year ending June 30, 1923, amounted to \$43,356,817, or \$16.16 per capita. Of this total \$13,687,789 represents the expenses of operating the general departments of the state government; \$30,449, expenses of operating the public service enterprises; \$1,853,547, interest on debt; and \$27,785,032, outlays for permanent improvements, the largest item of which was \$24,388,470, expended by the State Highway Commission. In 1922 the total payments for the state were \$25,364,112 and in 1917 \$5,407,381, a per capita of \$9.58 and \$2.19, respectively. The totals include all payments for the year, whether made from current revenues or from the proceeds of bond issues.

The total revenue receipts of North Carolina for 1923 were \$22,113,457, or \$8.24 per capita. This was \$6,541,672 more than the total payments of the year, exclusive of the payments for permanent improvements, but \$21,243,360 less than the total payments, including those for permanent improvements. These payments in excess of revenue receipts were met from the proceeds of debt obligations.

In North Carolina property and special taxes represented 23.3 per cent of the total revenue for 1923, 41.6 per cent for 1922 and 50.2 per cent for 1917. The increase in the amount of property and special taxes collected was 84.7 per cent from 1917 to 1922, but there was a decrease of 6.0 per cent from 1922 to 1923. The per capita property and special taxes were \$1.92 in 1923, \$2.07 in 1922 and \$1.20 in 1917.

Earnings of general departments, or compensation for services rendered by state officials, represented 11.5 per cent of the total revenue for 1923, 13.7 per cent for 1922 and 20.4 per cent for 1917.

Business and non-business licenses constituted 34.5 per cent of the total revenue for 1923, 33.9 per cent for 1922 and 19.4 per cent for 1917. Receipts from business licenses consist chiefly of taxes exacted from insurance and other incorporated companies, and sales tax on gasoline, while those from non-business licenses comprise taxes on motor vehicles and amounts paid for hunting privileges.

The net indebtedness (funded and floating debt less sinking fund assets) of North Carolina for 1923 amounted to \$54,093,700, or \$20.16 per capita. The per capita net debt for 1922 was \$10.47 and for 1917 \$3.85.

There was no levy of the general property tax for state purposes in 1923.

Contract for \$1,000,000 Sanatorium in Kentucky.

Valley Station, Ky.—General contract for the \$1,000,000 sanatorium to be erected here by the board of directors of the Tuberculosis Hospital has been awarded to George H. Rommel of Louisville at \$640,000. Contracts for heating and plumbing were awarded to the Redmon Heating Co., and for electrical work to the Marine Electric Co., both of Louisville.

The building will be four stories, 50 by 400 feet, of steel frame, concrete and tile slab construction, with concrete foundations, terrazzo floors and asphalt and promenade tile roof. D. X. Murphy & Bros., Louisville, are the architects.

Richmond Bank to Erect \$1,000,000 Annex.

Richmond, Va.—Plans are under consideration by owners of the First National Bank Building here to erect a \$1,000,000 annex to that structure which will house the offices of the Chesapeake & Ohio Railway Co. The structure will be seven stories, 62 by 102 feet, connecting with the present building at a point on 9th street, 42 feet south from Main street.

The South and the World's Cotton Supply.

[Richard H. Edmonds in the Birmingham News.]

In a recent issue of the News you had an editorial in regard to some statements made by Mr. Edward Bartlett, Jr., president of the New York Cotton Exchange, in which he said that foreigners were making liberal appropriations "to encourage the growing of cotton by their own people wherever the land can be adapted to cultivation, and a continuance of this policy sooner or later will make severe inroads by foreign competition in American dominance of the cotton-raising industry."

I have been reading similar statements issued often by the Federal Government, at other times sent by the Associated Press from foreign sources to this country, and in discussion of the cotton industry by cotton brokers and others for more than 40 years. The same argument has been advanced regularly during all that period, and in studying this movement in European history I have found for more than a century exactly the same line of argument has been advanced, and similar statements sent out broadcast, and yet the South's dominance of the cotton industry is just as strong today, relatively, as it ever was. All of the efforts that have been made by England during the last hundred years have shown but little increase in actual production of cotton in comparison with the world's growing needs for cotton.

The activity which is so much talked about today, and to which Mr. Bartlett refers, is relatively no greater than was the activity in England in seeking to produce cotton elsewhere than in the United States 75 to 100 years ago. About 75 years ago English cotton manufacturers were so bent upon raising cotton in India and elsewhere, to lessen their dependence upon the South, that they employed eight American cotton growers and sent them to India, backing them fully financially and in every other way, in an effort to increase the growing of cotton in India. After some years of work in India these cotton growers came back to this country, and the reports by English authorities at that time showed that but little progress had been made.

When the Assuan dam was under construction in Egypt many years ago, our papers were flooded with reports from England and from Egypt that this dam would so largely increase the acreage of cotton growing in Egypt that the South would have serious competition, and most of our papers and our people swallowed the statement, believing it to be the truth. As a matter of fact, as it turned out afterward in accordance with a report published in the MANUFACTURERS RECORD when the dam was under construction, the Assuan dam was built, not to increase the acreage in cotton but to save the situation from a steady reduction of acreage. Today we are being constantly told that the enormous expenditure that is being made in the Sudan on a new dam for irrigating a larger acreage in that region is, by official reports, being built so that the entire acreage to be irrigated will be about 300,000 acres, which, according to these reports, can be put in cotton only every third year, being turned into grain one year and into legumes another year.

It is said that a further extension of this irrigation system may eventually enable the Sudan to have 1,000,000 acres in cotton annually. Even if that should come to pass it will be many years before it is realized, and the world's consumption of cotton is growing much more rapidly than the increase in production. Under ordinary conditions the world needs an annual increase of about 1,000,000 bales of cotton, but there is no sign anywhere that this increased amount is in sight for years to come.

A study of reports made to the British Parliament and to the cotton manufacturers of Manchester, all the way from the days of the Civil War back to 1830 and 1840, will show an activity in the discussion and in efforts about cotton raising greater in proportion to the times than we are having today.

There is another phase of this situation which is important. Mr. Bartlett's statement and many others of a similar kind are based on the thought that cotton growing is essential to the South. That view is wholly erroneous. Cotton growing

has been a curse to the South; it has held this section back from agricultural diversity; it has brought about a great deal of slipshod farming which has impoverished the soils of many sections and has made us as a section think in terms of cotton rather than in diversity of farming. The South could cease to grow cotton and gradually become rich in diversified agriculture, but the world would be staggered if the South should stop growing cotton.

For a long time it was argued by many people, some of them in New England, that a moral responsibility rested upon the South to grow cotton for the benefit of the world. A false view could hardly be suggested. The moral responsibility which rests upon the Southern farmers is the raising of things out of which they can gain the largest measure of prosperity for their families. If they can make more money in raising cotton than in doing anything else, then it is incumbent upon Southern farmers to raise cotton, not for the world's benefit but for their individual benefit and the ability to give better living and educational advantages to their children. As a matter of fact, diversified agriculture steadily maintained would be a far greater benefit to the Southern farmers and to the South as a whole than is the raising of cotton. The only way in which cotton growing, speaking in the large, can be made profitable to the grower or to the South is by raising at home all of the food and feed supplies needed, increasing fertility of the soil by cattle raising and diversified farming and making cotton purely a surplus crop. No Southern farmer should ever have to buy foodstuffs or feedstuffs from the West. The farmer who does not raise his own food supplies, and who cannot maintain his livestock without purchasing feed from the West, is a failure. He is doing his family and his section great harm. Especially will this be true during the present year, for every farmer who fails to raise his grain and provisions will have to pay exorbitant prices during next fall, and probably for a year or two. The corn crop is about 600,000,000 bushels short of last year's yield, and a very large percentage of it had to be cut or gathered before it matured because early frost in the West seriously damaged a large proportion of it. The feeding value of the crop is therefore far greater than the shortage in yield would indicate.

This means that much of the corn will be rushed to market as rapidly as possible, since much of it will not keep. Moreover, seed corn will be exceedingly scarce, as reported by the United States Department of Agriculture. The high price of wheat, the highest since war days, will intensify the situation as to corn. The Canada wheat crop last year was about 200,000,000 bushels short of the preceding year, and therefore Europe has called heavily upon the United States, and our export of wheat during the last five or six months of 1924 ran about 100,000,000 bushels ahead of the exports the corresponding time in the preceding year. This means a shortage in the wheat supplies until the new crop is matured. Necessarily, therefore, the cost of grain will be a very serious factor in the cost of raising cotton.

Every merchant, every cotton factor and every banker in the South ought to press these facts upon the attention of Southern farmers. Indeed, it ought to be a rule for the banks to refuse to lend money to any farmer who does not plant sufficient acreage in grain to take care of his own needs, and no landowner ought to receive credit for any of his tenants unless he follows the same practice.

A reduction in cotton acreage with more intensive cultivation can be made to produce all the cotton that the world will need, or at least that the world will take at a profitable price to the grower, and until the South stops trying to raise more cotton than the world will buy at a profitable price to the producer it will permit the cotton manufacturers and speculators of the world to dominate the cotton market, which ought to be dominated by the producers. Until Southern farmers learn this lesson and raise at home everything needed for home supplies, they will continue under bondage to the cotton buyers of this and other countries, and especially to European powers.

This year pre-eminently the South must live at home, or otherwise its farmers will grow poorer instead of richer. The whole situation is absolutely in their hands, and it depends upon their wisdom and the wisdom of merchants and cotton factors and bankers whether this year's cotton crop shall be raised at a profit or at a loss.

BIG COMMERCIAL HIGH EXPLOSIVES PLANT NEAR BESSEMER.

**Hercules Powder Co. Unit of 900,000 Pounds
Monthly Capacity to Serve Alabama Mines—
Ultimate Possible Output 1,800,000 Pounds.**

Bessemer, Ala., January 30.—[Special.]—Construction is progressing on the big high-explosives plant of the Hercules Powder Co. at McAdory, on the Tuscaloosa branch of the Louisville & Nashville Railroad, about three miles southwest of this city, and indications are that it will be placed in operation about July 1.

The most modern equipment and machinery will be installed throughout; the buildings will be of the latest type used in the manufacture of commercial high explosives. The plant will have a capacity of 900,000 pounds monthly, and the layout has been so designed that buildings and equipment can be added as required to bring the ultimate capacity to



HERCULES EXPLOSIVE PLANT, BESSEMER.
Looking along tramway toward safety area; power house and coal trestle in foreground.

1,800,000 pounds monthly. Every size and grade of commercial high explosives marketed by the company will be manufactured and packed.

An important feature embodied in the new plant is a safety area so arranged that the movement of nitrate of soda, nitrate of ammonia and carbonaceous ingredients will be reduced to a minimum, and warehouses for these materials are so situated that the distance to be moved is in no instance more than 400 feet. The acid area will also be compact. Soda storehouse, soda dryhouse, and nitric acid house are only 10 feet from each other.

The nitric acid plant is unusual in that advantage has been taken of a hillside to back the retorts against a concrete retaining wall 10 feet high. This will put the concrete floor under the bleachers and product lines at such an elevation that repair work on the latter can be done by a man standing on the floor. The absorption tower house, instead of being behind the nitric acid building, is at one end.

Because the buildings in the safety area have been placed so close together, the fire risk is increased and construction work will therefore be to a large extent of a fireproof character. The office and laboratory, combined shops, garage, shell house, power house and other buildings are all advantageously located.

The plant site consists of 1280 acres, selected after careful investigation because it offered: Accessibility to good roads round about Birmingham and Bessemer; close proximity to the mining district, which is the center of distribution for the company's products and good roads in Jefferson county. Topographically the site is good, as it is surrounded entirely by high hills. The plant is being built to take the place of

the Jefferson unit, which property is not large enough to permit of expansion, although the location is good.

The engineering department of the company designed and is building the plant, the company acting as its own architect, engineer and contractor.

Warns Against Investment by Americans in Chemical Enterprises Backed by Germans.

Investors are warned not to risk their money in chemical enterprises sponsored by Germans. "Industrial and Engineering Chemistry," official journal of the American Chemical Society, editorially asserts that "there is a rumor sufficiently persistent to merit attention," and adds:

"It has to do with a possible scheme of German origin whereby American resources might be used to compete with the American dyestuffs industry.

"Renewed confidence in Europe financially, thanks to the Dawes Plan, has enabled private German concerns to borrow largely of American bankers. Now, suppose this money were used to purchase one of our dye-manufacturing plants producing a few specialties in competition with German materials which, being competitive, must pay a higher rate of duty.

"It would not be difficult for clever stock salesmen to arrange a reorganization of the purchased company and to explain to gullible investors that, whereas the plant is very good, it will require certain additions and alterations before it will be ready to manufacture desirable colors and chemicals according to renowned German developments.

"On a reorganized basis it is conceivable that enough stock could be sold to repay with American dollars those borrowed from American bankers and still leave the voting control in the hands of a German control board. At the first meeting of the board, the loan having been paid, it could be voted not to operate the plant.

"This would remove the products from the market, thereby changing the tariff status of the imported articles and remove a competitor from the field. Those engineering the scheme would gain at no personal expense or sacrifice.

"Those paying the bill would be a number of investors without recourse and for whom there would be no sympathy on the part of the officers of the company.

"It is a plan involving risks, but they are none too great for the stakes, especially for those who have shown in the past that their commercial conscience is under perfect control."

\$3,000,000 Federal Industrial Institution for Women.

Alderson, W. Va.—A site overlooking the Greenbrier River, one and a half miles west of Alderson, has been selected for the Federal industrial institution for women. The proposed institution, according to Secretary of Labor J. J. Davis, will be designed to accommodate 1200 inmates and a staff of 200 attendants.

Buildings to be erected will represent an outlay of approximately \$3,000,000, and it is said to be the plan of the Government to erect one unit a year.

Baltimore Water Department to Expend \$1,500,000.

According to a statement by V. Bernard Siems, water engineer, the Water Department of Baltimore will expend \$1,500,000 for the installation of new mains in the distribution system. These will vary in size from 6 inches in residential sections to 20 inches in industrial developments. Feeder mains from 24 to 48 inches will be installed to connect existing feeders, while supply mains from 48 to 96 inches will be installed to connect Montebello filtration plant with Druid Lake reservoir.

Engineers Studying Florida Waterways.

Just back from Florida after a tour of investigation in connection with the southernmost link in the proposed intercoastal canal, from Boston to Miami, the United States Board of Engineers for Rivers and Harbors is debating which of two routes to recommend for the Florida section of that great inland waterways system. Ultimately, it is said by members of the board, this link will extend to Key West, but for the present it will be considered only as far as Miami.

Until recently the board has studied the subject through reports made on the ground by the district engineer, but finally decided to visit the scene "because Florida is developing with tremendous rapidity and the demand for an inland waterway there is very great," as one member of the board expressed it to a representative of the MANUFACTURERS RECORD.

As described by members of the board, two routes are available, as follows:

1. From Jacksonville, south along the coast line, utilizing bays, inlets and other natural waterways, with such connecting canals as already have been dug.

2. From Jacksonville, through the St. Johns River to Palatka, to Sanford, through Lake George to the headwaters of the river, and then by a cut through to the coast in the vicinity of Titusville. From that point the route would follow the coast line.

In cost and in difficulty of construction there is said to be little difference between these two routes, the main factor to be considered in the ultimate determination being largely the nature of the traffic to be carried on this stretch of the waterway. The coast-line route, with a minimum of five feet of water, is said to be suitable for freight motorboat service; the St. Johns River route, with, say, eight feet of water, would enable the use of larger barges. In motorboat traffic, it is explained, the cargoes are small and the service is fast; with barges, much more freight can be carried on a trip, but a larger organization is said to be necessary, with terminals and possibly warehouses and cold-storage plants. The alternative is regarded as requiring great consideration.

According to the board of engineers, both routes already have been improved to some extent, but it is considered likely that several million dollars will be required to complete either link in the great chain. "Right now there is a through canal to Miami, if one cares to call it a 'canal,'" said one of the engineers. This so-called canal is described as a series of inland waterways along the coast, connected by land cuts, these artificial canals having been constructed by a private company. "It is a hodgepodge, partly of private ownership, partly of local and partly of Government," and the desire seems to be to have the Government take over the project in its entirety. This, it is said, might be done by the state acquiring all the component parts of the system and deeding it over to the Federal Government.

On the St. Johns River route, it is explained, there is 30 feet of water at Jacksonville, 8 feet to Sanford and from 8 to 5 feet to the point where the cut would be commenced to the coast line. This route is said to be much shorter than the coast route, but, mile for mile, probably would be more expensive, as necessitating more cutting. The cut from the river to the coast would be about five miles long, according to the engineer's calculations.

Of course, it was explained, there is much rivalry over the two possible routes, but the engineers will not be moved by strictly local considerations or wishes, but will try to determine what may be best for the Florida portion of the great project and for the intercoastal project as a whole.

As the engineers see the entire project, it will be composed of a system of links, each with a central point or port. Traffic will be confined largely to the adjacent sections of such points, although these links will overlap each other to some degree.

Very little traffic, if any, it seems to be felt, will be carried through the entire route of the intercoastal canal, yet a long, unbroken chain is considered advisable, if not really imperative.

First of these links, it is explained, is that from Boston to New York, running through the Cape Cod Canal and the Sound and the East River. From there to Philadelphia is the second link, virtually completed, and from Philadelphia to Baltimore is the third. The fourth link runs down the Chesapeake Bay from Baltimore to Norfolk. In the fifth link, the route from Norfolk to Beaufort is virtually completed, but from Beaufort to Georgetown, S. C., practically no work has been done. This stretch of 175 miles is said to be one of the hardest spots to handle because of the sea islands and marshy channels, and several locks and dams may be necessary in the construction of this route. In fact, the southern part of the intercoastal chain appears to be the hardest nut for the engineers to crack.

Great interest in the entire project, and most especially in the southern end, appears to have developed in Washington, and the Board of Engineers for Rivers and Harbors is giving it deep attention. This board is composed of Major Gordon Young, resident member at Washington; Brig. Gen. Edgar Jadwin, Washington; Col. Henry C. Newcomer, New York city; Col. Spencer Cosby, Cleveland; Col. John C. Oakes, Charleston, S. C.; Col. F. C. Boggs, Philadelphia, and Col. John R. Slattery, New York city.

Newport News Gets Contract for \$2,000,000 Ship.

Jacksonville, Fla.—Announcement has been made by H. H. Raymond, president of the Clyde Steamship Co., New York, that his company has awarded contract to the Newport News Shipbuilding & Dry Dock Co. of Newport News, Va., for the construction of a \$2,000,000 passenger and freight steamer to take the place of the Mohawk recently burned. The new vessel is intended for the New York-Jacksonville line and will be a duplicate of the new steamers, Cherokee and Seminole, now under construction at Newport News for the Clyde company.

The ship will be 402 feet over all, 54 feet molded beam, with a loaded draft of 18 feet. It will be equipped with Scotch single-ended boilers, 16 feet in diameter and more than 12 feet long. Accommodations will be provided for 350 first-class passengers, 80 steerage passengers and a crew of 120 men.

Bids Soon on \$650,000 Office Building.

Nashville, Tenn.—Bids are being considered for the erection of the proposed building to be erected here by W. W. Dillon and representatives of the estate of George E. Bennie at a cost of approximately \$650,000. The structure will be 147 by 62.6 feet, 12 to 14 stories, and will contain from 350 to 400 offices. Exterior of the first two stories will be of cut stone and the upper stories of gray brick trimmed in terra cotta. Framework will be of steel with reinforced concrete floors and fireproof partitions. The building will be served by one freight and four passenger elevators. Asmus & Clark of Nashville are the architects.

\$1,400,000 Lumber Mill Properties Purchased.

Blytheville, Ark.—Properties of the Paepcke-Leicht Lumber Co. have been acquired by the Chicago Mill & Lumber Co. of Blytheville, for which the latter paid \$1,400,000 of its common stock, practically all of which has been held in its treasury. The transaction, it is said, brings the authorized capitalization of the purchasing company to \$6,000,000. Both companies have band mills at Helena and Blytheville, and at Greenville, Mississippi.

Completing \$18,000,000 Program of Power Expansion in North Georgia.

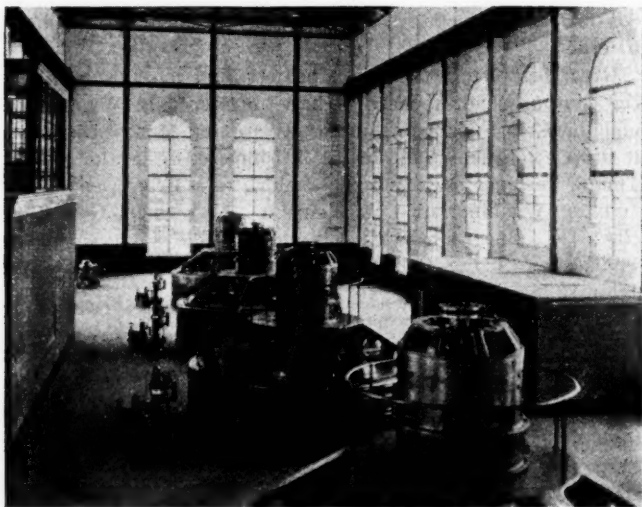
By L. K. STARR.

Completion of two new hydro-electric plants in North Georgia will feature the building program this year of the Georgia Railway & Power Co.; this program was inaugurated in 1923 and called for an expenditure of approximately \$18,000,000. The two projects are the Terrora development at the head of Lake Tallulah, and the Yonah development, three miles south of the Tugalo dam on the Tugalo River. In addition to these, work will be started on the

has been finished and the construction forces are rushing operation on the power-house itself. It will operate under a head of 190 feet, of which 90 feet is formed by the dam at Lake Rabun and 100 feet by the drop of the penstocks from the tunnel to the power-house. The water-wheel capacity will be 30,000 horsepower and the generating capacity 20,000 kilowatts.

The Yonah dam, which will be 75 feet high, is nearly half completed, concrete having been poured to the full height of the structure for more than a third of its width. The schedule called for the first unit of this plant to be put into operation by the beginning of 1926, but construction has progressed more rapidly than anticipated and in all probability the entire plant will be in operation by the end of this year.

Three units are to be installed at Yonah, giving the plant



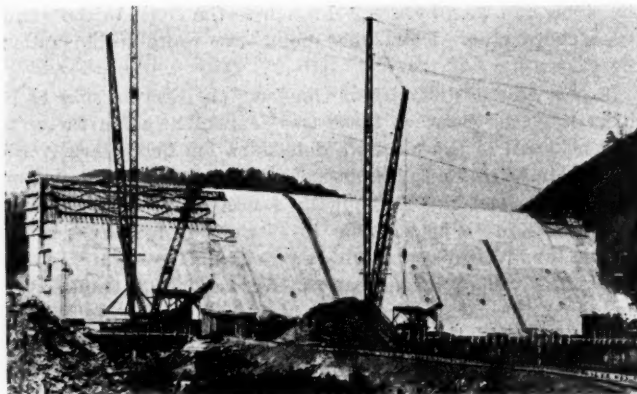
INTERIOR OF TUGALO PLANT.

Four generators of 22,000 horsepower each.

Nacoochee development, a few miles below Lake Burton, at the head of the company's system.

When these three projects are put into operation, the Georgia Railway & Power Co. will use the waters of the Tallulah, Chattooga and Tugalo rivers six times before the waters are released to continue their way to the sea.

The completion of the power-house and penstocks is virtually all that remains to be done before the Terrora plant goes into operation. The mile-long tunnel, which will conduct the water from Lake Rabun to the power-house, was finished in July of last year. The intake structure on the Rabun end

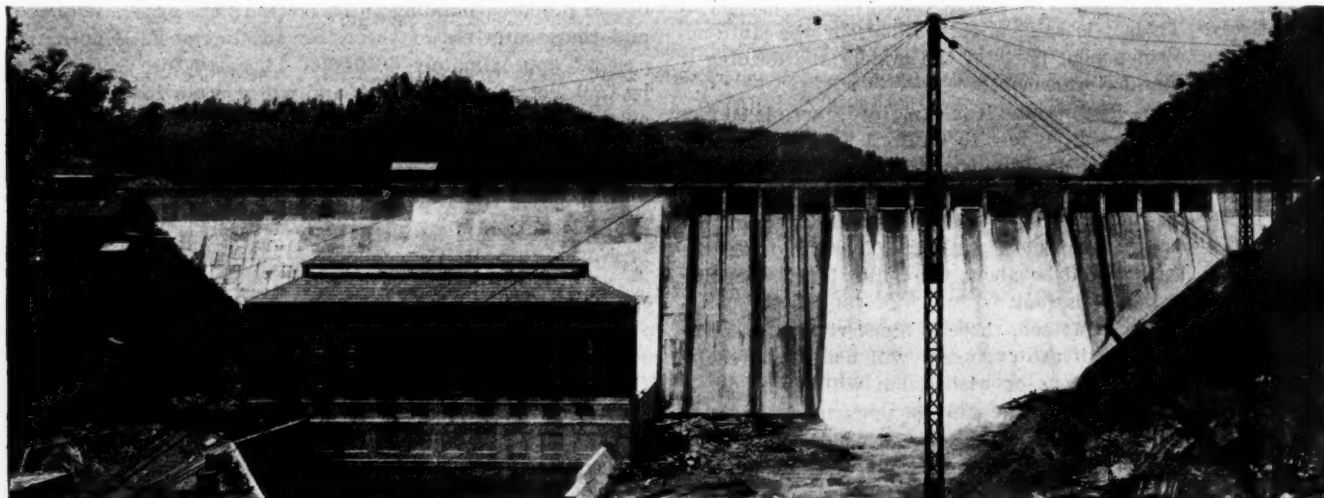


YONAH DAM UNDER CONSTRUCTION.

Progress shown to November, 1924. The dam will be 75 feet high, 500 feet long.

a water-wheel capacity of 37,500 horsepower, generating 25,000 kilowatts.

As rapidly as they are relieved at the Terrora and Yonah projects, the construction forces will be moved up the valley of the Tallulah to the Nacoochee development, where another dam and power-house will be built. This dam will be 60 feet high and 500 feet long. Material for the construction will be

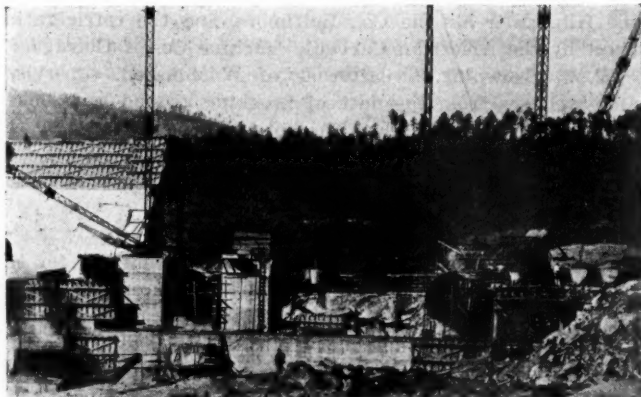


TUGALO DAM AND POWER PLANT OF GEORGIA RAILWAY & POWER COMPANY.

Located at the junction of the Tallulah and Tugalo Rivers. The plant has water wheel capacity of 88,000 horsepower.

hauled by rail to Lakemont on the Tallulah Falls Railroad and there it will be loaded on barges and floated up Lake Rabun to the site of the dam.

Other work completed by the Georgia Railway & Power Co. during the last year included the rebuilding of the Davis



ANOTHER VIEW OF YONAH DAM.

street steam plant in Atlanta, used as an auxiliary generating station, and the Moreland avenue and Stewart avenue sub-stations in Atlanta, as well as several sub-stations in its territory in north Georgia.

During the past year the company extended its network of transmission and distribution wires over north Georgia to the extent of approximately 200 miles. This included 120 miles of 110,000 voltage and 50 miles to carry 38,000 volts. In addition to Atlanta, the company now is serving 68 towns and communities, containing a population of more than 900,000 persons.

Cumberland to Have \$1,000,000 Office Building.

Cumberland, Md.—A site at Baltimore and Center streets in this city has been purchased from Thomas B. Finon by the Central Realty Corporation for a consideration of \$275,000, on which it plans to erect a \$1,000,000 office building. Work on the structure is expected to begin at once and the building completed within a year. It will be 12 stories, of steel and concrete construction, with Bedford stone for the first two stories and buff brick above. J. W. Cook Corporation, Flint, Mich., is the architect.

January Construction South Sets New High Record.

Industrial, building and general development activities in the 16 Southern states for January, 1925, surpassed by a wide margin all previous records for the first month of the year, with a total of 7429 individual items published in the Daily Bulletin and in the construction columns of the MANUFACTURERS RECORD. It is a most encouraging sign for the new year, and points to a steady continuation of the large volume of construction now under way throughout the South. In the first month of 1924 5456 notices were published. Only 3902 construction items were printed in January, 1923, and in the same month of 1922 the total was 3652. A steady increase in the volume of new building undertaken in the first month of each of the past three years is, therefore, indicated.

The average number of items published weekly in January was in excess of 1480. During the fourth week of the month 1755 items were reported, representing the highest weekly total ever recorded.

The number of items published last month is even more significant when the totals for each of the various classifications are studied. Compared with figures for January, 1924, increases are observed in practically every line of endeavor represented, with no particular classification predominating,

indicating a healthy, steady forward movement for the entire South.

Road and street construction items numbered 831, an increase of 270 over the January, 1924, total. Closely allied with this work is the construction of bridges, culverts and viaducts, on which 275 separate items were published last month, giving in excess of 1100 items for these two classifications, or more than one-seventh of the monthly total. Road and bridge work has figured prominently in the South's expansion program during each of the past four years, and there are definite indications that there will be a continuation of such work at high levels for many months to come.

The development of miscellaneous enterprises in wide variety and in every section of the South is covered in 603 items, placing this classification second in number only to road and street construction. Land development items numbering 548 were published last month. The publication of 513 dwelling items indicates that such work is going forward in undiminished volume. In January, 1924, similar notices numbered but 237, and careful surveys show that residential construction made up more than 50 per cent of the year's program. The building of modern schools is keeping pace with the expansion in other lines. Last month 257 such items were printed.

	Totals for January
Airplane Plants, Stations, etc.	1
Bridges, Culverts, Viaducts	275
Canning Plants	21
Clayworking Plants	16
Coal Mines and Coke Ovens	31
Concrete and Cement Plants	17
Cotton Compress and Gins	20
Cottonseed Oil	4
Drainage and Irrigation	20
Electric Light and Power Plants	167
Fertilizer Plants	3
Flour, Feed and Meal Mills	18
Foundry and Machine Plants	22
Gas and Oil Developments	123
Ice and Cold Storage	48
Iron and Steel Plants	2
Land Developments	548
Lumber Enterprises	55
Metal-Working Plants	7
Mining	45
Miscellaneous Construction	97
Miscellaneous Enterprises	603
Motor Cars, Garages, Tires, etc.	205
Railways and Street Railways	0
Railway Sheds, Terminals, Roundhouses, etc.	8
Road and Street Construction	831
Sewer Construction	123
Shipbuilding Plants	1
Telephone Systems	43
Textile Mills	48
Water Works	172
Woodworking Plants	56
	3624

Building:	
Association and Fraternal	92
Bank and Office	139
Churches	227
City and County	97
Dwellings	513
Government and State	17
Hospitals, Sanitariums, etc.	65
Hotels and Apartments	248
Miscellaneous	105
Railway Stations, Sheds, etc.	9
Schools	257
Stores	218
Theaters	28
Warehouses	54
	2069

Financial:	
Corporations	259
New Securities	439
	698

Machinery, Proposals and Supplies Wanted	701
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Total	7092
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Fire Damage	337
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7429

The city of Midland, Texas, has sold a school bond issue of \$150,000 to the Commerce Trust Co. of Kansas City, Mo., at 104.23. An election will be held on February 24 to ratify the issue.

\$11,000,000 Mayflower Hotel Completed at Washington.

Representing an investment of \$11,000,000, including land and equipment, The Mayflower, one of the South's finest hotels, has been completed at Washington. The structure occupies a site fronting 183 feet on Connecticut avenue, 475 feet on De Sales street and 140 feet on 17th street. It is eleven stories high and contains a total of 1059 rooms and 860 baths, the hotel proper containing 650 guest rooms, while the remaining rooms are located in the apartment section of the building. This section contains 112 apartments, flexible in arrangement, and so planned that they may be combined into suites of from two to nine rooms.

The building is entirely fireproof, of structural steel with curtain walls, and having concrete foundations carried



NEW \$11,000,000 HOTEL FOR WASHINGTON, D. C.

through solid rock a distance of 43 feet. Exterior is of Indiana limestone through the second story, above which is a rough-texture brick with terra cotta trimmings to match the limestone. The contents total 6,600,000 cubic feet. The structure is equipped with oil-burning furnaces, forced-draft ventilation, soundproof communicating doors, main floor dining-room and ballrooms, Italian grillroom and other features.

Apartments for permanent residents are furnished with silver, linen, china, bedding, electric appliances and kitchen utensils, while valet, kitchen and dining maid service is available. Each apartment is equipped with an open wood-burning fireplace and kitchenettes with electric stoves, percolators and frigid air. An oscillating fan on a brass wall plaque is provided in every room.

In keeping with the name of the hotel, the Colonial period has been carried out as far as possible in the furnishings and decorations. The main lobby, or Promenade extends from Connecticut avenue to 17th street, affording a vista 475 feet long. Opening from the Promenade to the right is a palm court, 86 by 76 feet, and on the opposite side is a restaurant, 56 by 169 feet. Beyond the palm room on the same side of the Promenade is a grand ballroom, 59 by 159 feet, a feature of which is a mezzanine floor, from which six large and ten small boxes overlook the dance floor.

The layout of the building was designed by Robert F. Beresford of Washington, and the exterior by Warren & Wetmore of New York, who executed the plans. The Richard D. Kimball Co. New York were mechanical engineers for the heating and ventilating system; H. G. Balcom, New York, and C. B. Rafter, Washington, consulting engineers on structural steel and reinforcing concrete, and J. F. Musselman, New York, consulting engineer for plumbing, lighting, elevators and refrigeration.

General contract was executed by the Longacre Engineering & Construction Co. of New York and Chicago, while furnishings and kitchen equipment were installed by Albert

Pick & Co., Chicago, and mural and interior decorations by W. P. Nelson & Co. of New York and Chicago. The Otis Elevator Co., New York, installed eleven elevators, while pressure oil-burning boilers were installed by the Ideal Heating Co., Brooklyn, N. Y., which firm also put in the ventilating system. French and Italian marbles were supplied by the Hilgartner Marble Co., Baltimore, and the refrigeration plant by the American Carbonic Machine Co. of Chicago.

W. J. Browning, an attorney of Washington, supervised all purchases from the date of breaking ground and looked after construction details. The hotel will be operated by the Mayflower Hotel Co., H. L. Merry, president.

Financial Statistics of Texas, 1923.

Total payments for expenses, interest and outlays for the state government of Texas for the fiscal year ending August 31, 1923, amounted to \$48,451,602 or \$9.86 per capita, reports the Department of Commerce. Of this total \$46,198,495 represents the expenses of operating the general departments of the state government; \$235,161, interest on debt; and \$2,017,946, outlays for permanent improvements. In 1922 the total payments for the state were \$45,842,985, and in 1917 \$22,204,625, a per capita of \$9.48 and \$5, respectively. The totals include all payments for the year, whether made from current revenues or from the proceeds of bond issues.

The total revenue receipts of Texas for 1923 were \$48,190,252 or \$9.81 per capita. This was \$1,756,596 more than the total payments of the year exclusive of the payments for permanent improvements, but \$261,350 less than the total payments, including those for permanent improvements. These payments in excess of revenue receipts were met from the proceeds of debt obligations.

In Texas property and special taxes represented 53 per cent of the total revenue for 1923, 50.6 per cent for 1922, and 56.6 per cent for 1917. The increase in the amount of property and special taxes collected was 53.7 per cent from 1917 to 1922 and 20.7 per cent from 1922 to 1923. The per capita property and special taxes were \$5.20 in 1923, \$4.38 in 1922 and \$3.10 in 1917.

Earnings of general departments, or compensation for services rendered by state officials, represented 6.1 per cent of the total revenue for 1923, 4.5 per cent for 1922 and 16.7 per cent for 1917.

Business and non-business licenses constituted 18 per cent of the total revenue for 1923, 17.9 per cent for 1922 and 12.5 per cent for 1917. Receipts from business licenses consist chiefly of taxes exacted from insurance and other incorporated companies and the sales tax on gasoline, while those from non-business licenses comprise taxes on motor vehicles and amounts paid for hunting and fishing privileges.

The net indebtedness (funded and floating debt less sinking fund assets) of Texas for 1923 amounted to \$4,466,584, or \$0.91 per capita. The per capita net debt for 1922 was \$0.85 and for 1917 \$1.07.

For 1923 the assessed valuation of property in Texas subject to ad valorem taxation was \$3,469,386,643, the amount of taxes levied was \$26,020,640, and the per capita levy \$5.30.

To Build \$500,000 Lumber Plant.

Miami, Fla.—Plans are being prepared by the Drake Lumber Co., Louis Hector, general manager, for the erection of a \$500,000 retail lumber plant at 18th street and North Miami avenue, with trackage facilities. This location will provide space for carrying a stock of 2,000,000 to 3,000,000 feet of lumber, embracing all kinds of building material, and all modern facilities will be installed, including a window-sash and door-frame mill. The company's present yards are located at 601 North Miami avenue.

Production Begins at \$3,500,000 Plant.

STANDARD SANITARY MANUFACTURING COMPANY STARTS OPERATIONS IN ITS BIG DEVELOPMENT AT BALTIMORE.

Further recognition of the advantages of the South as a manufacturing and industrial section has recently been indicated by the beginning of production at the new plant which the Standard Sanitary Manufacturing Company of Pittsburgh has established at Canton, in the industrial district of Baltimore, at a cost of \$3,500,000. This concern is the third in a procession of great industries which lately have located at Baltimore. Montgomery, Ward & Co. has a \$2,000,000 branch under construction for its Atlantic Coast business, and the Gold Dust Corporation will shortly begin the erection of a \$2,000,000 plant in Baltimore. From almost the outset the Standard Sanitary concern will give employment to about 1500 hands, with an annual payroll of \$2,000,000, to be increased as time goes on, while the other two companies also will distribute tremendous payrolls among large forces of employees.

The advantages of Baltimore for such a manufacturing plant were laid before the Standard company in November, 1920, by the industrial bureau of the Baltimore Association of Commerce, and the site was acquired in March, 1923, ground being broken in November of that year. Metal for the first bathtub was poured in November, 1924. According to officials of the company, the potential output of the plant will be 1200 bathtubs a day, or the equivalent, and it is expected that half of this will be in bathtubs and the balance in smaller ware, of which far more than 600 pieces will be fabricated.

On a tract of 48 acres at Fifth avenue, near Camp Holabird, in the Canton section, the company eventually will have over 22 buildings, with something over 11 acres under roof. At present the foundry, cleaning-house, slushroom, enamel shop, warehouse, machine shop, power-house and several similar structures are in operation, and others, such as the molding sand storage-house, blower-house, pickling-house, sand drier and so on, will be completed before long. The plant will be one of the largest manufacturing establishments in Baltimore and vicinity, exceeded probably by only the Bethlehem steel plant at Sparrows Point.

The foundry, which, like the other buildings, has been constructed with a view to future expansion, is 589 feet long and 97 feet wide; one story, of brick and steel; the equipment is most modern and, in many ways, ingenious. Pig iron is unloaded by locomotive cranes with magnets and is conveyed to the cupola platform by electric lift trucks with skids. In the general equipment are six Pawling & Harnischfeger 10-ton cranes, with a flight conveyor and sand handling system devised by the Standard company itself. There also are three 96-inch Whiting shell cupolas, two 10-ton Houghton elevators and a Heyle & Patterson coke handling system.

Each of the present two cleaning-houses is 197 by 102 feet, one story, brick and steel, with automatic sand blasts of the Standard company's design, and rim grinders, flexible shafts and other devices. The two enameling buildings, each 345 by 80 feet, are equipped with 24 muffler furnaces of the Standard company make, air tables, and so on. Also, constructed for future expansion, the machine shop is 253 feet long and 97 feet wide, of brick and steel, two stories and balcony. In this, among other equipment, is a 7-foot American radial drill, together with one Cincinnati open-side planer, 60 inches by 60 inches by 12 feet. There also are a Pond double housing, 42-inch by 42-inch by 10-foot planer, a LeBlond

No. 3 Universal milling machine, six LeBlond lathes, a 2½-foot American radial drill, a Nazel No. 2 hammer, one 62-inch Niles vertical boring mill and numerous smaller tools. The pattern shop is in this building, also.

In the power-house, 132 by 107 feet, are two high-pressure Worthington air compressors of 2500 cubic feet, two low-pressure compressors of 5000 cubic feet and two Westinghouse motor generator sets of 500 kilowatts each. Of two transformers, one bank is three 1000 k. v. a. and the other is three 667 k. v. a. Two 405 horsepower Erie boilers provide the heat.

The enamel mill building is five stories in height, 158 feet long and 119 feet wide, of brick and steel construction. In it are a Hardinge mill, Chrystie driers, Patterson foundry machine, pebble mills and much other equipment.

The sawmill is a one-story building of brick and steel, 122 by 62 feet, equipped with saws, etc., by the American Wood Working Machinery Company and the J. A. Fay & Egan Co., while the warehouse is two stories, built of concrete, 350 by 171 feet. Also of interest are a 300,000-gallon standpipe, erected by the Pittsburgh-Des Moines Steel Company, a 50,000-gallon sprinkler tank and six 20,000-gallon oil tanks.

A locker plant was installed by the Durand Steel Locker Company, and there are comfort stations and other sanitary conveniences in plenty throughout the plant, some of the lavatories having shower baths.

It is estimated that 6000 carloads of freight will be handled annually at the plant, and lumber for crating materials alone is expected to exceed 10,000,000 board feet a year. Included among the products will be enameled iron bathtubs, other bathroom equipment, kitchen sinks, etc., to be distributed to Eastern, Southeastern and Pacific Coast markets, and also exported to Europe. The plant is situated on the Baltimore & Ohio and the Canton Railroad lines, with the company's own sidings, switches and connections, and is convenient to dock and water terminal facilities of the Baltimore harbor.

The construction work was done by the D. A. Groah Company of Pittsburgh and the pipe, electric and similar work by the Riggs-Distler Company of Baltimore. S. Diescher & Sons, Pittsburgh, are the engineers. Steel was furnished by the Fort Pitt Bridge Co., Pittsburgh.

The officers of the company are: Theodore Ahrens, president; J. W. Oliver, first vice-president and chairman of the executive committee; J. D. Tschopik, vice-president and general manager of branches; E. L. Dawes, vice-president; H. M. Reed, vice-president and general manager of factories; W. C. Chamberlain, vice-president and general manager of sales; W. C. McKinney, secretary and treasurer; James De Haven, assistant secretary; M. C. Wilde, assistant treasurer; directors, all the officers except Messrs. De Haven and Wilde, and in addition S. H. Moon, Pittsburgh; J. W. Arrott, Pittsburgh; Theodore Mueller, Louisville; David Jameson, New Castle, Pa.; A. V. Konradt, Kokomo; Henry L. Ott, Louisville; Franklin C. McIntosh, Franklin, Pa.

As guest of honor at a banquet tendered recently to him and his associates by Mayor Jackson and other leading citizens of Baltimore, Mr. Ahrens stated that the working force for the new plant would be recruited largely from the city and vicinity. It is the policy of the company to encourage stock ownership in the concern among its employees, he said, and in the parent concern 3302 of the 10,938 employees are stockholders, with \$18,429,000 invested in its securities. Last year, also, the company distributed among its employees bonuses aggregating \$859,136.

Fewer Livestock on Farms January 1, 1925—Milk Cows and Sheep Show Increase.

The outstanding feature of the annual estimate of the number of livestock on the farms of the United States on January 1 is the reduction since a year ago of nearly 12,000,000 in the estimated number of swine, reports the Agricultural Department. The estimated number of swine was 54,234,000, or 18 per cent below January 1, 1924; cattle other than milk cows 39,609,000, or 5.1 per cent below; horses 17,589,000, or 2.6 per cent below January 1, 1924, and mules 5,411,000, or 0.6 per cent below. On the other hand, sheep were estimated to be 39,134,000, or 2.2 per cent above January 1, 1924, and milk cows 25,319,000, or 2.2 per cent above.

Among the causes of these reductions are said to be the unusually large number of hogs on the farms a year ago; the poor corn crop, which reduces the number of hogs and cattle that can be fattened; drouth in the range states, particularly west of the Rocky Mountains, causing a general reduction in livestock in that section; low prices for beef cattle as compared either with dairy products, or with mutton and wool, and continued low prices for horses and mules, which has caused a further reduction in the number of colts raised.

The total value of the six classes of livestock on January 1, 1925, was \$4,834,512,000, or 1.5 per cent below the \$4,906,587,000 for 1924.

In actual numbers, horses decreased 470,000; mules decreased 35,000; milk cows increased 533,000; other cattle decreased 2,111,000; sheep increased 834,000, and swine decreased 11,896,000, from January 1, 1924, to January 1, 1925.

In total value, horses decreased \$56,666,000; mules decreased \$22,341,000; milk cows decreased \$14,022,000; other cattle decreased \$75,406,000; sheep increased \$71,454,000, and swine increased \$24,906,000.

NUMBER AND VALUE OF FARM ANIMALS IN THE UNITED STATES.

	Jan. 1	Total Number	Value
Horses	1925	17,589,000	\$1,107,248,000
	1924	18,059,000	1,163,914,000
Mules	1925	5,411,000	436,122,000
	1924	5,446,000	458,463,000
Milk Cows	1925	25,319,000	1,278,714,000
	1924	24,786,000	1,292,736,000
Other Cattle	1925	39,609,000	970,117,000
	1924	41,720,000	1,045,523,000
Sheep	1925	39,134,000	372,909,000
	1924	38,300,000	301,455,000
Swine	1925	54,234,000	669,402,000
	1924	66,130,000	644,496,000
Total United States ...	1925	\$4,834,512,000
	1924	4,906,587,000

The total value of all livestock in the South on January 1, 1925, was \$1,334,000,000, compared with \$1,387,000,000 January 1, 1924. This is a decrease in value of \$53,000,000 in the South, as compared with a decrease of \$72,000,000 for the United States.

Horses in the South on January 1, 1925, numbered 4,607,000, with a total value of \$257,086,000. Compared with the year before this is a decrease in number of 119,000 and in value of \$19,422,000.

The number of mules January 1, 1925, in the South was 4,318,000, valued at \$359,335,000, a decrease in number of 18,000 and in value of \$19,529,000.

Milk cows in the South January 1, 1925, numbered 7,410,000, valued at \$257,944,000, an increase in number of 140,000 and in value of \$675,000.

The South, January 1, reported 13,578,000 of other cattle, valued at \$257,218,000, a decrease in number of 883,000 and in value of \$11,496,000.

On January 1, 1925, there were reported 7,146,000 sheep in the South, valued at \$54,718,000 an increase in number of 138,000 and in value of \$9,695,000.

Swine in the South January 1, 1925, numbered 15,579,000, valued at \$147,284,000. This is a decrease compared with 1924 of 3,413,000, and a decrease in value of \$12,892,000.

Carnegie Steel to Build Warehouse at Baton Rouge—Plans Steamer Line from Port.

Baton Rouge, La.—Plans are announced here for the establishment of a concentration warehouse across the river from Baton Rouge by the Carnegie Steel Co. of Pittsburgh, Pa., for the shipment of steel products to Western points. Option has been taken by the company on a tract of 84 acres, and it is understood that large floating docks are contemplated and warehouses behind the levee adjacent to a railroad running through the property. It is expected that allied interests of the Carnegie Company will ultimately use the facilities here for distribution of their products.

The Isthmian line of steamers, owned by the Carnegie Company, will come into Baton Rouge, it is said, bringing raw products for shipment up the Mississippi River and taking steel products for ports in all parts of the world.

Real Estate Sales in Fulton County, Georgia, Reached Nearly \$63,000,000 in 1924.

Interesting facts on real estate transactions in Fulton county, Georgia, of which Atlanta is the county-seat, have been gathered and tabulated by the Atlanta Title & Trust Company.

In presenting these statistics, Assistant Secretary Harry M. Paschal states that during the five-year period from 1915-1919, inclusive, 23,028 mortgages and loan deeds were recorded, aggregating in value \$56,930,521, while 14,523 mortgages and loan deeds were made last year, aggregating \$59,151,063, or, in one year nearly \$3,000,000 more than the aggregate for the five-year period 1915-1919. For the five years 1915-1919 the total number of real estate sales was 48,394, having a total value of \$129,399,251, as compared with 79,703 transactions for the five years 1920-1924, with an aggregate value of \$277,009,607, an increase in total sales of 31,309 and in value of \$147,610,356. The comparatively small number of leases recorded in the accompanying table is explained by Mr. Paschal as due to the fact that under Georgia laws "the possession of a tenant is notice to the world of the rights he claims in the property."

Mr. Paschal states that all figures present actual bona fide statistics, as they were obtained from instruments filed in the county recorder's office in Fulton county.

He also calls attention to the fact that "these statistics do not include that portion of Atlanta which is located in DeKalb county, adjoining Fulton county on the east. Druid Hills, one of our most fashionable residential sections, is located entirely in DeKalb county and, therefore, the totals really represent less than the aggregate of real estate transactions of Fulton county and Atlanta."

REAL ESTATE TRANSACTIONS IN FULTON COUNTY AND ATLANTA FOR YEARS 1920-1924, INCLUSIVE.

Year	Number Real Estate Sales	Total Amount	Number Mortgages and Loan Deeds	Total Amount	Number Recorded Leases	Total Amount
1920	13,357	\$59,822,671.04	5,904	\$24,136,114.23	83	\$8,935,421.03
1921	12,647	37,907,416.26	6,905	22,389,317.27	78	3,584,219.13
1922	15,313	50,206,289.83	10,327	36,403,530.77	76	7,706,277.61
1923	18,324	66,339,520.44	12,016	52,206,280.54	115	33,878,756.10
1924	20,062	62,733,699.99	14,523	59,151,063.48	99	15,867,703.57
Total	79,703	\$277,009,607.56	49,675	\$194,286,306.29	451	\$69,972,577.44
1915-1919	48,394	129,399,251.55	23,028	56,930,521.46	150	13,291,700.13
Increase for 5 years from 1920-24, inc., over 1915-1919	31,309	147,610,356.01	26,647	137,355,784.83	301	56,680,877.31

Extensive Improvements Planned at St. Petersburg.

St. Petersburg, Fla.—At a special meeting of the City Commission, April 14 was selected as the date of the proposed election on a \$2,234,000 bond issue for a municipal pier and other waterfront improvements. Items embraced in the proposed issue include: Reinforced concrete pier, \$1,000,000; construction of yacht basins on north and south waterfronts, with necessary fills and seawalls, \$494,000; improvement of waterfront park system, \$250,000, and purchase of property and opening 1st avenue north between Capac and 9th street, \$490,000.

Contracts were awarded for the Bayboro harbor work in two sections, one for dredging to the Duluth-Superior Dredging Co., Minneapolis, Minn., at \$141,790, which assigned contract to the Atlantic Gulf & Pacific Co. of New York, and for wharf and warehouse construction to the Raymond Concrete Pile Co., New York, at \$341,109. The cost of these improvements will be borne by a \$500,000 bond issue voted last summer.

Sea-Island Cotton Industry Succumbs to Boll Weevil.

Discontinuance of the official cotton standards of the United States for sea-island cotton has been announced by the Agricultural Department. The reason for this action is that there is no demand for the standards and no cotton from which to make copies, since practically no sea-island cotton is now being grown in the United States owing to the ravages of the boll weevil.

This cotton was formerly grown in the so-called Sea Island Belt of Florida, South Carolina and Georgia. Production rapidly decreased as the weevil invaded the district. In 1916 the crop amounted to 117,559 bales, in 1917 to 92,619 bales, in 1918 to 52,208 bales, dropping to only 785 bales in 1923, and none was reported in 1924.

Cotton breeders of the Agricultural Department are undertaking to develop quicker fruiting strains of sea island, with which it is hoped that this type of cotton may be profitably grown again, even in the presence of the boll weevil.

\$5,000,000 Hotel Planned for Baltimore.

Property of the Academy and Convent of the Visitation at Park avenue and Center street, Baltimore, has been purchased by Morris Schapiro, John D. Roney and Herman Scherr, Baltimore realty dealers, who plan to erect a hotel to cost from \$4,000,000 to \$5,000,000, exclusive of the cost of the site, which is said to be \$1,000,000. Architects have not been selected for the new structure, although tentative plans call for a 12-story building with stores on the ground floor.

\$451,600 Contract for Winston-Salem City Hall.

Winston-Salem, N. C.—Contract for Winston-Salem's new City Hall has been awarded to the Northeastern Construction Co., Charlotte, at \$451,600. The building will be 210 by 110 feet, four stories, reinforced concrete construction, with rubber tile floors, gravel roof and concrete foundations. Equipment for the building is estimated to cost \$100,000. Northup & O'Brien of Winston-Salem are the architects.

15-Story Office Building at Houston.

Houston, Texas.—A bank and office building of 12 or 15 stories will be erected here by the Fidelity Trust Co., according to an announcement by T. W. Archer, secretary. A site has been purchased at Austin street and Texas avenue and it is stated that plans are now in progress. The company will occupy the lower floor, upper stories to be devoted to offices.

Possible Consolidation of Iron and Steel Interests in Birmingham District—Denials Issued by the Companies Involved.

Birmingham, Ala., February 9.—Denials have been uttered by officials of the Sloss-Sheffield Steel & Iron Co., the Woodward Iron Company and the Gulf States Steel Company, mentioned in a report published in New York giving an account of plans for the formation of a big steel corporation.

Though the denials are firm and pointed, vehement in some instances, there is no denying the fact that such a merger or new corporation as outlined is very plausible; and an active corporation, one that could be built to greater proportions, is possible. The three companies of this district said to be in the eye and minds of the promoters and bankers who have vision of another big corporation have properties worth while.

The stock in all three companies has been showing great strength for some time and the actual operations are on a profitable basis. The Sloss-Sheffield Steel & Iron Co. in taking over the Alabama Company a few months ago obtained valuable coal properties, four blast furnaces—two of which are in fine shape—ore mines and limestone works, besides a railroad line, which, with some extensions, will shortly be used in hauling coal and coke to the blast furnaces at a great saving. Trackage arrangements are being made for use of a branch of the Louisville & Nashville Railroad, which will connect big mines and beehive coke ovens in the western part of the county with the railroad of the Alabama Company, and on the Birmingham end a short connection will get the products to the furnaces and by-product plant of the company. Seven blast furnaces of this company are in operation, and iron is being sold into the second quarter at the highest price obtaining in the district—\$22 per ton, No. 2 foundry.

The Woodward Iron Company has five blast furnaces, four in operation, and by-product coke ovens, 40 of which are now being rebuilt, together with immense bodies of ore and coal lands. Its ore and coal properties are on the railroad of the company and within easy access of the furnaces and by-product plant. The Woodward family have been in possession of the majority of the stock of the company for two-score years. The Woodward Iron Company is also selling pig iron for future delivery. It has the reputation of being able to make pig iron cheaper than any company in the United States.

The Gulf States Steel Company is a great success; has very little indebtedness, preferred and common stock. The company has valuable coal and ore lands, limestone works, a single blast furnace, a steel mill with six open-hearth furnaces, five of them in operation, and finishing mills producing wire, nails, bars, rod, etc. The company is taking over coal lands which will build up its holdings to a degree.

While the properties of these three companies are a little separated, erection of large steel plants could be done in localities which would reduce the distances. It is not believed, judging from statements made here, that a control of the stocks of the three companies could be bought in, but the Birmingham district has heard more interesting consummations in the past.

Industrial leaders in Birmingham not connected with the three companies say that the merger is possible. The ores and coals, the development which has just started in Alabama, have been attracting much attention in the past few years. It is estimated that there is enough ore in this state to last indefinitely, long after the first-class ores of Minnesota have played out. Deep mining has been tried out here and richer ore found at lower depths.

Officials of the three companies say that there is nothing to the reports, but do not express an opinion that the stock cannot be purchased if desired and enough money paid for it.

THE IRON AND STEEL SITUATION

Heavier Bookings a Feature of Steel Market.

Pittsburgh, February 9.—[Special.]—Bookings by the steel mills have run considerably heavier in the past fortnight than in the first three weeks of the year, chiefly by orders and contracts being driven in by price advances. While the advances represented in part a maneuver on the part of mills to encourage buying at old prices, the mills insist that they need higher prices in view of their production costs. Generally speaking, the advances are for second-quarter deliveries, but there is no doubt that a considerable tonnage of second-quarter business was booked at old prices.

In bars, shapes and plates the advance is now complete, mills being firm on a basis of 2.20c, f.o.b. mill Pittsburgh district, on all three products. The total advance from the low level of three months and more ago averages about \$6 a ton. Chicago district prices on bars, shapes and plates advanced over a fortnight ago.

In sheets the advance is still in progress. The leading interest and fully half the independents have made the advance. Some business is still being booked at old prices, but the advanced prices are expected to rule generally for second quarter. The advanced prices are 2.80c on blue annealed sheets, 3.70c on black sheets and 4.85c on galvanized sheets. The old price of 3.60c on black sheets is being shaded by a few mills, and the 4.75c price on automobile sheets is occasionally shaded.

The advance in wire products which began about ten days ago, making nails \$2.95, is not yet complete. Mills were prepared to book customers with the usual 60-day contracts at the old prices, but buyers having specified very fully on previous contracts, made before the November advance, have not been so ready to make further engagements. In fact, the proposal to make this second advance in wire products has not been particularly well received by all buyers.

The steel industry has operated at close to 90 per cent in the past fortnight, or at the highest rate since early in April. It is obvious that such a rate cannot be maintained indefinitely. Since the war a rate as high as 85 per cent has not been maintained for more than four months at a time. The particularly heavy production of the past three months has been due to buyers replenishing stocks after a particularly thorough liquidation. Indications are reasonably clear that at some time in the not distant future the rate of steel production will decline somewhat, and indications are equally clear that the rate of steel consumption will keep up. When the decrease in mill operations comes it should not be interpreted as representing a decrease in steel consumption, which still promises to be as heavy in 1925 as there was reason at any time to expect it would be. Statistics of oil production, stocks and consumption presage very heavy drilling this year, in all probability making a new record for steel consumption in that direction. Railroad improvement programs for 1925 were more extensive than those for 1924, and there is no hint that they will be departed from, while lettings of fabricated steel contracts in the past three months have been particularly heavy, and it is said that a great deal of work is on the boards.

Generally speaking, buyers of steel do not look nearly as favorably upon recent and present advances in steel prices as they did upon those in November and December, when they felt that the steel mills had something coming to them. The advances are not onerous, however. In large hotel, office and apartment buildings it is said that the cost of fabricated steel runs about 10 per cent of the total cost, and as the total advance in mill steel from the low point of three months and more ago is only about 10 per cent of

the cost of fabricated steel, there is represented only 1 per cent in the cost of a building.

The spot market in Connellsville furnace coke has made some further recovery in the past week from its recent slump, being now \$3.85 to \$4. In general, however, the market falls far short of the expectation of operators. There is much complaint among furnacemen of the heavy wage advance made by most operators December 16 to the Frick scale, which it is said is altogether too high. Furnacemen insist that increased costs cannot easily be passed on to pig iron buyers, as the pig iron consumers are not in that kind of a mood, and have practically dropped negotiations for second-quarter coke.

The pig iron market has been dull in the past week and not overly firm. The Eastern market is menaced by imported iron, which proves to be of very good quality, while the Pittsburgh district market is subject to offerings by dealers who made purchases several months ago and now have a nice profit. The market is quotable at \$23 for Bessemer, \$22 for basic and \$22 to \$23 for foundry iron, f.o.b. valley furnaces.

Several grades of iron and steel scrap have declined 50 cents or more in the past week, but heavy melting steel remains at \$20.50 to \$21, this being \$1.50 under the top market, reached just before Christmas and maintained for barely a fortnight.

Selling Iron Into Third Quarter at Higher Prices.

Birmingham, Ala., February 9.—[Special.]—Southern furnace interests are now selling pig iron for second quarter delivery and are getting upwards of 50 cents to \$1 per ton more than two weeks ago. The buying movement which has been expected for some time has not yet set in, but the business being done is most satisfactory, inasmuch as it will mean a start on the later trade. The probable make, even with increased output, for the first quarter has been practically sold out and some iron is being taken from the surplus stock. The Sloss-Sheffield Steel & Iron Co., with seven blast furnaces in operation, is asking \$22 per ton, No. 2 foundry. First-quarter iron in small lots was to be had the past week at \$21.50 per ton, No. 2 foundry. Various iron-consuming companies in the home territory are very active right now, and assurance is given that the conditions will continue for some time to come, at least through the second-quarter of the year.

The cast-iron pressure-pipe makers, plants requiring a larger quantity of iron than any one other interest, have contracts already which will extend their active operations into the second-quarter and some large specifications are in sight. Shipments of pressure pipe have been steady. The soil-pipe makers have also been busy for the past two months and longer, and announce indications that this activity is to be maintained indefinitely. The stovemakers are enjoying better business and will be called upon to produce stock steadily. The foundries and machine shops are diversifying more and more. Already a good demand is in sight for the pumps for gasoline pumping stations as produced by the Birmingham Machine & Foundry Co., which is also building a round-bale cotton press and expect more business in this line in the near future. The regular work of the machine shops and foundries has been lagging, but specialties and new products are proving a profitable diversification.

Steady shipment of pig iron from the blast furnaces on the Tennessee River at Sheffield into the St. Louis and Chicago territories is noted, the movements being by the Tennessee and Ohio rivers to Metropolis, Ill., and thence by rail into the sections where considerable Southern iron is melted.

The steel market is strong. Despite the fact that practi-

cally all open-hearth furnaces are in operation, there appears to be need for more steel. The rail mill of the Tennessee Coal, Iron & Railroad Co. at Ensley is operating at full speed. Production record in this department was broken during January, when 54,219 tons of rail were turned out, against 51,652, the best previous record. The rail orders in hand call for a very large tonnage, and there will be need for active operation of the department for many months to come. Other shapes are in demand. The Gulf States Steel Company is operating five out of six open-hearth furnaces. The products of this company are being shipped out in greater tonnage than are being manufactured, cutting the warehouse stock down steadily. Steel prices are reported firmer and in some instances advanced. Steel bars are quoted at 2.25 to 2.35c.

Steel fabricating plants in the district are busy, local and other contracts giving the various shops considerable work. The Southern Steel Works Company has just completed an addition to its plant which brings its capacity to 500 tons monthly. This company is furnishing the structural steel, 350 tons, for the new Harbison-Walker Refractories Company plant, 12 miles south of Birmingham. The same shop is furnishing 100 tons to the Lehigh Portland Cement Company for additions to its storage service. Florida is placing structural steel business in this district. The fabrication industry promises to remain active indefinitely, so much construction work being in sight. Tank making through the one-piece plate and welding process is on the increase here.

Coal production in Alabama is holding up very well and the output so far this year exceeds that of 1924. Confidence is expressed that the industry will have a fairly good year. The coke industry is assuming prosperous outlines. Demand is good and prices have advanced, now quoted at \$5 to \$5.50 for foundry coke. The fact that much coke is required for the furnaces leaves the independent companies practically clear for the open market. The Sloss-Sheffield Steel & Iron Co., with seven blast furnaces in operation, has its big by-product coking plant at North Birmingham in full operation, is furnishing 100 tons of coal to the Semet-Solvay by-product plant at Ensley for coke, and in addition has started up 200 beehive ovens at Flat Top, 20 miles west of the city. The Woodward Iron Company is rebuilding 40 of its by-product ovens. The Alabama By-Products Corporation will have its 25 new by-product ovens in operation about the middle of next month. The Republic Iron & Steel Co. is having 57 by-product ovens built in Birmingham, to be completed during the latter part of the year. All of the by-products of coal tar—sulphate of ammonia, benzol, and even gas—are finding a good market. A local consumer is taking practically all of the benzol produced in the district, the same being used as a motor fuel.

The scrap iron and steel market is strong, with deliveries steady and a few sales made daily. Heavy melting steel is still quoted at \$15.50 to \$16.50. Re-rolling rails have advanced, now selling at \$17.50. Concrete steel bar manufacturers report good business. The smaller mills here on that product are using re-rolling rails.

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$21.50 to \$22.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$22.00 to \$22.50; iron of 2.75 to 3.25 per cent silicon, \$22.50 to \$23.00; iron of 3.25 to 3.75 per cent silicon, \$23.50 to \$24.00; iron of 3.75 to 4.25 per cent silicon, \$24.00 to \$24.50; charcoal iron, f. o. b. furnaces, \$30.00.

OLD MATERIAL.

Old steel axles	\$18.00 to \$19.00
Old iron axles	19.00 to 20.00
Old steel rails	16.00 to 16.50
Heavy melting steel	15.50 to 16.50
No. 1 cast	17.00 to 17.50
Stove plate	15.00 to 16.00
No. 1 railroad wrought	14.00 to 15.00
Old car wheels	16.00 to 17.00
Old tramcar wheels	17.00 to 17.50
Machine shop turnings	8.00 to 9.00
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.)	15.50 to 16.00

RAILROADS

New Equipment, Rails, Etc.

J. G. Brill Co., Philadelphia, has shipped the first of its new Model 75 gasoline railroad passenger cars to the Louisiana & Northwestern Railroad at Homer, La., the car going under its own power via Baltimore, Cumberland and Cincinnati to St. Louis, and thence to its destination.

Piedmont & Northern Railroad is reported in the market for 1 box car and 49 flat cars of 40 tons capacity.

Norfolk & Western Railway has ordered 30 engine tanks each with a capacity of 16,000 gallons of water and 23 tons of coal, to be built at the Richmond works of the American Locomotive Co.

Chicago, Burlington & Quincy Railroad is reported in the market for 500 gondola cars.

Louisville & Nashville Railroad has ordered 150 tons of structural steel from Grainger & Co. for shops at Gentilly, La., and the Vicksburg, Shreveport & Pacific Railway has ordered 197 tons from the American Bridge Co. Orders reported pending are Baltimore & Ohio Railroad, 1000 tons; Florida East Coast Railway, 300 tons, all for bridges.

Burlington System has ordered 20,000 tons of rails, distributed thus: 3000 tons from the Inland Steel Co.; 4500 tons from the Illinois Steel Co.; 12,500 tons from the Colorado Fuel & Iron Co.

Progress on Okeechobee-Miami Line.

The Florida East Coast Railway, according to a press report, has completed grading on about 30 miles of its extension from Okeechobee to Larkin, near Miami, Fla., and track has been laid on about 25 miles of this from Okeechobee southward. The total distance from Okeechobee to Larkin is about 135 miles. The belt line from Lenon City to Hialeah, Fla., about 7¼ miles, has been finished and put in service. Construction of the main line of the extension from Okeechobee is being pushed, but has been delayed much by high water in Lake Okeechobee which flooded the surrounding land, this being in consequence of the heavy winter rains that have been unusually copious. Rails of 70 pounds per yard weight are being laid on cypress ties. At some places the storm waters washed away considerable of the railroad embankment, which demanded replacement of the material before the line could be pushed forward.

Big Railroad Freight Traffic.

Heavy freight traffic continues on the railroads. The American Railway Association reports for the week ended January 24 total loadings of more than 924,000 cars, an increase of over 32,000 cars as compared with the corresponding week of last year. Increases were reported as compared with the previous week in the volume of grain and grain products handled, as well as of forest products and merchandise freight. Since January 1 this year there have been loaded a total of 3,554,938 cars, an increase of more than 190,000 cars as compared with the same period of a year ago.

Fruit Growing Along the Frisco.

"Fruit Growing in the Ozarks of Missouri and Arkansas Along the Frisco Lines" is the inscription on the front cover page of an exceedingly interesting pamphlet issued by the passenger traffic department of the St. Louis-San Francisco Railroad, St. Louis, Mo. The book is beautifully illustrated, and bound with it is a map of the Frisco Lines in the two states.

Specialists to Conduct Pennsylvania Railroad Restaurants.

The Pennsylvania Railroad Company will on March 1 begin to turn over the operation and management of its station restaurants to The Savarins, Inc., a company in New York city making a specialty of restaurant management and operation there. James T. Clyde will have general charge of operations, representing the new management. The first restaurant to be thus taken over will be that at the Pennsylvania Station in New York city, and the others, which will follow as soon as possible, include those at Jersey City, North Philadelphia, Broad Street Station, Philadelphia; Union Station, Baltimore; Harrisburg and Pittsburgh.

In explanation of this change George D. Dixon, vice-president in charge of traffic, says in a circular-letter to all of the officers and employees immediately concerned with the company's restaurants that the operation of these establishments has grown so large the company will test out the plan of giving them over to restaurant specialists. From 3,000,000 to 4,000,000 meals are served every year, and there is a staff of 600 individuals, including the supervising officers. It is proposed to retain in the restaurant employ all who are satisfactory, including the colored waiters, and all will retain their pension, insurance and other privileges.

Increased Berry and Vegetable Crops.

St. Louis, Mo.—Preparations for bigger acreage in crops which provide more money for the farmers are reported along the southern lines of the Missouri Pacific Railroad. Especially is this true in Arkansas. One hundred acres near Beebe will be planted to radishes this spring, and enough peach trees have been ordered to insure shipping in car lots.

Business men are backing a campaign at Mulberry, Ark., to increase acreage in truck and berries. It is estimated that 75 acres there will be devoted to cucumbers, and 400 each to strawberries and cantaloupes. Business men of Delight, Pike county, Arkansas, also are fostering a campaign to increase acreage of spring money crops. An agricultural development company with \$10,000 capital stock has been organized. Spinach and sweet and Irish potatoes will be grown in increased quantities near McGehee. Between 400 and 500 acres at Monticello—Arkansas' famous tomato-producing district—will be planted to that crop this spring. Sufficient acreage also has been pledged at Washington, Ark., to insure carload shipments.

Students at the agricultural school at Russellville will raise truck crops in sufficient quantities to allow mixed car-lot shipments. Magness, McRae, Amity and Glenwood farmers are organizing into associations and will increase strawberry acreage.

Issue of Securities Approved.

The Louisiana Railway & Navigation Co. of Texas has been authorized by the Interstate Commerce Commission to issue \$400,000 of stock and \$750,000 of bonds, but it is reported that denial of the company's application for authority to issue \$200,000 of stock and \$2,963,000 of bonds was recommended by the examiner in the case.

Large Order for Signals.

The Union Switch & Signal Co., Swissvale, Pa., has, it is reported, been awarded a contract by the Atlantic Coast Line Railroad to install 86 semaphore signals, style S, between Java and Lane's, S. C.

City Commissioners of Lakeland, Fla., will offer for sale on February 24 \$300,000 of the city's issue of \$700,000 of sewer bonds and \$75,000 of street improvement bonds.

TEXTILE

\$350,000 in Enlargements to Textile Mill.

Regarding proposed improvements to its mill at Piedmont, Ala., reported two weeks ago by the MANUFACTURERS RECORD, the Standard-Coosa-Thatcher Co. advises that betterments will include an addition to its present equipment, comprising the purchase of the following machinery: 65 cards, 26 combers, 3 silver lap machines, 3 ribbon lap machines, 30 deliveries of drawing, 2 slubbers and 24 twistors. This equipment will fit in and operate in conjunction with the present machinery and will mean an increase in production of approximately one-third.

The company has recently purchased 28 acres of land, upon which 50 dwellings will be erected. All work is being pushed rapidly. The entire expenditure will approximate \$350,000.

Engineers for \$1,000,000 Mill at Opelika.

The Pepperell Manufacturing Co. of Boston, Mass., which plans to build a \$1,000,000 cotton mill at Opelika, Ala., advises that F. P. Sheldon & Son, Providence, R. I., are engineers for the plant. As reported by the MANUFACTURERS RECORD last week, the Opelika plant will be equipped with 20,000 spindles and 600 looms, equipment to be moved from the company's plant at Biddeford, Maine.

Silk Mill for Pittsboro.

Pittsboro, N. C.—Preliminary details have been arranged by Harry S. Gould, president, and Otto Ziegler, Jr., treasurer of the Pompton Lakes Weaving Co. of Pompton Lakes, N. J., for the new silk mill which they plan to build here. The first unit will be 100 by 50 feet, contract for brick work having been awarded to O. Z. Barber of Goldston, N. C. It is planned to build a second unit later.

Large Dye Units for Erwin Mills.

Durham, N. C.—Said to be the largest of their kind, the Cocker Machine & Foundry Co., Gastonia, N. C., is loading and shipping two indigo warp dyeing units for the Erwin Cotton Mills Co. of this city and Duke, N. C. The two machines, it is said, will dye 100 warps per day, each warp having 420 ends, 6000 yards long. Each unit weighs about 200 tons and will occupy a floor space 200 by 24 feet.

The Fort Worth Textile Mills of Fort Worth, Texas, have incorporated with a capital stock of \$2,500,000, incorporators including Charles P. Moulton, Bruce M. McHarg and T. G. Johnson.

Cotton Supply, Takings and Stocks.

Cotton exports for the week of January 31-February 6 amounted to 273,373 bales, as compared with 182,494 the week before and 79,745 for the corresponding week in 1924. Exports from August 1 to February 6 amounted to 5,635,161 bales, compared with 4,026,453 bales last year.

The following figures issued by the Agricultural Department show the cotton movement from August 1, 1924, to February 6, 1925, with comparisons:

	1925 Bales	1924 Bales
Exports	5,635,161	4,026,453
Port receipts	7,219,282	5,440,549
Port stocks	1,343,961	876,621
Interior receipts	9,528,628	6,369,814
Interior stocks	1,248,011	898,190
Into sight	11,937,131	9,341,278
Northern spinners' takings	1,237,318	1,294,469
Southern spinners' takings	2,881,970	2,732,115
World's visible supply of American cotton	4,592,922	3,030,418

GOOD ROADS AND STREETS

Several Counties Plan Large Bond Issues.

March 5 has been designated by the Wilson (N. C.) County Board of Commissioners for the special election on a bond issue of \$1,250,000 for the construction of roads. Civic and business organizations of the city and county have endorsed the proposition, and M. G. Connor, county attorney, has been authorized to handle legal requirements preliminary to calling the election.

Forrest County Board of Supervisors, Hattiesburg, Miss., will soon advertise for bids for the construction of \$250,000 worth of roads in road paving district No. 1. It is the purpose of the board to have construction well advanced by early spring and completed before the late fall.

A special election on bonds totaling \$1,400,000 has been called for February 23 by the Manatee County Board of Commissioners, W. P. Frier, chairman, Bradenton, Fla. These bonds are to be issued in denominations of \$1000 each and will bear interest at 5½ per cent, to be dated April 1, 1925. Proceeds will be used for the construction of approximately 75 miles of hard-surfaced roads in the county.

Bids will be received until February 17 at the office of the Fairfield County Highway Commission, Winnsboro, S. C., for the construction of more than 12 miles of the Longtown road. Plans and specifications are on file at the office of Lockwood, Greene & Co., engineers, Winnsboro.

Three Cent Gasoline Tax in Tennessee.

P. M. Estes of Nashville, president of the Tennessee Good Roads Association, advises that the General Assembly of Tennessee has enacted a law raising the state gasoline tax from two cents to three cents per gallon, all funds from this source to go to the State Highway Department for road construction, without any claim on behalf of individual counties. There has been introduced also a bill proposed by Governor Peay, authorizing him to borrow money on behalf of the state on short-term notes for highway construction.

To Vote on \$1,500,000 of County Road Bonds.

Tallahassee, Fla.—Leon County Commissioners plan to call an election for March 24 or 31 on a bond issue of \$1,500,000 for improving county roads. Tentative plans provide for hard-surfacing more than 70 miles and for building 45 miles of sand-clay roads. The former will embrace state road No. 1 across the county; road No. 10, leading from Thomasville, Ga., toward the gulf through the county, and road No. 19 to the Jefferson county line toward Perry.

To Build 2265-Foot Bridge Over Arkansas River.

Pawhuska, Okla.—Plans have been completed by Osage and Pawnee counties for a steel bridge over the Arkansas River to replace one washed away in 1923. With its approaches, the structure will measure 2265 feet, the bridge proper to consist of five spans of 211 feet each and six piers. It is a Federal-aid project and an important link on the Ponca City-Pawnee highway.

Florida Highway Budget for 607 Miles.

Tallahassee, Fla.—A total of more than 607 miles of road has been incorporated in the 1925 budget of the state road department, the work to be discussed at a meeting of the highway commission at Miami on March 10. This is in addition to 437 miles of state projects under construction, 129 miles of Federal-aid projects authorized but not started, and 101 miles of Federal-aid projects under way.

Florida Asks Bids on 12 Miles.

Tampa, Fla.—Proposals will be received by the State Road Department, Tallahassee, until March 4 for the construction of 12 miles of road in Hillsborough county, from Six-Mile Creek south. Construction will consist of clearing, grubbing, grading and surfacing, with necessary drainage structures, bids to be received on plain and reinforced concrete, bituminous concrete, sheet asphalt and bituminous macadam on 8-inch rock base, and on rock base only.

Bids on 47 Miles in Alabama.

Montgomery, Ala.—Sealed proposals will be received by the State Highway Commission at its office in this city, until February 25, for the construction of approximately 47 miles of roads. The work will include a number of bridges and will cover more than 10 miles of sand-clay roads, 32 miles of gravel, about 3 miles of macadam and 2 miles of concrete.

Wants Bids on Viaduct Near Charleston.

Charleston, S. C.—Bids will be received until March 5 at the office of the Sanitary and Drainage Commission, Charleston, for the construction of a viaduct over the tracks of the Atlantic Coast Line and Southern Railway at Five Mile, near Charleston. The structure will be 689 feet long, of reinforced concrete.

Natchez Plans \$500,000 Paving Program.

Natchez, Miss.—Steps are being taken by the Natchez City Council to start a \$500,000 paving program as soon as possible, which will probably be financed by a bond issue. At the next meeting of the council consideration will be given to the question of engaging a consulting engineer.

Notes on Good Roads Construction.

Woodruff County Court, Augusta, Ark., has granted franchise to the R. L. Gaster Construction Co. for the construction of a toll bridge over White River at Augusta.

Travis County Commissioners' Court, Austin, Texas, will receive bids until February 26 for improvement of the Austin-Webberville road to involve the use of 16,800 cubic yards of gravel.

The city of Avon Park, Fla., contemplates a bond issue of \$300,000 to pave approximately 20 miles of asphalt streets, and has engaged J. W. Turner, engineer, to make tentative plans.

The Louisiana Highway Commission, Baton Rouge, La., will receive bids until February 19 for the construction of two sections of road in Sabine parish, covering a total of 6.55 miles.

Hearing on Proposed Rosin Standard.

A hearing on a proposed United States standard for opaque rosin for which no standard has been established will be held at the Bureau of Chemistry, Washington, on May 4 at 10 A. M. Oral statements or arguments may be made on that date and written statements or arguments may be submitted on or prior to that date, advises the Agricultural Department.

The text of the notice is as follows:

"Pursuant to the authority vested in the Secretary of Agriculture by the Naval Stores Act of March 3, 1923, notice is hereby given to the trade of the intention to establish a United States standard for rosin for which no standard has been established. This rosin is opaque and is not transparent. The grade for the standard will be designated by the letters 'QP.'"

LUMBER AND BUILDING MATERIALS

Lumber Business Holding Up Satisfactorily.

Washington, February 5.—Reports received by telegraph from 359 of the more important commercial lumber mills indicate that the lumber business of the country is holding up satisfactorily, says the National Lumber Manufacturers' Association. These reports cover the week ending January 31, and although they show a slight falling off in production, shipments and orders from the preceding week, the fact that the number of reporting mills is 12 less makes up for this nominal decline. As compared with the corresponding week in 1924, production is practically the same, and there was a decrease of about 10,000,000 feet in shipments and about 16,000,000 in orders. However, January, 1924 and 1923, were abnormally active winter months in the lumber trade. Excepting those months, the indicated business of the last week is the best for this period in recent years.

The unfilled orders of 248 Southern Pine and West Coast mills at the end of last week amounted to 673,482,639 feet, as against 683,106,598 feet for 247 mills the previous week. The 130 Southern Pine mills in this group showed unfilled orders of 274,723,550 feet at the end of last week, and 275,839,200 feet for 130 mills the preceding week. For 118 West Coast mills the unfilled orders were 398,759,089 feet, as against 407,267,398 feet for 117 mills a week earlier.

Altogether the 359 comparably reporting mills had shipments 103 and orders 96 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 100 and 98, and for the West Coast mills 95 and 89.

Of the comparably reporting mills, 336 (having a normal production for the week of 213,192,124 feet) reported production 98 per cent of normal, shipments 100 per cent and orders 94 per cent.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past week	Corresponding week 1924	Preceding week 1925 (revised)
Mills	359	367	371
Production	222,096,411	221,516,195	223,569,435
Shipments	228,867,626	239,331,995	231,575,381
Orders	213,284,279	229,147,675	220,062,154

LUMBER MOVEMENT FOR FIVE WEEKS, AND FOR THE WEEK ENDING JANUARY 31.

	Production		Shipments		Orders	
	1925	1924	1925	1924	1925	1924
Southern Pine Association:						
Total	347,824,089	349,210,929	324,318,596	396,258,459	336,806,764	420,069,279
Week (130 mills)	74,680,873	73,842,952	74,411,750	85,351,278	73,296,100	74,494,194
West Coast Lumbermen's Association:						
Total	462,607,447	461,267,100	476,266,438	465,918,828	428,718,660	490,680,206
Week (118 mills)	103,898,678	104,068,687	98,636,646	105,601,264	92,104,234	95,898,881
Western Pine Manufacturers' Ass'n:						
Total	76,687,000	74,101,000	129,833,000	127,838,000	114,779,000	165,512,000
Week (34 mills)	17,886,000	18,412,000	28,452,000	23,459,000	24,526,000	28,700,000
California Redwood Association:						
Total	39,587,000	38,811,000	32,947,000	35,970,000	37,317,000	37,959,000
Week (15 mills)	8,789,000	9,033,000	7,824,000	7,482,000	5,762,000	6,564,000
North Carolina Pine Association:						
Total	27,683,799	29,044,652	29,706,052	31,104,432	27,327,843	44,416,600
Week (39 mills)	3,683,860	6,691,656	4,911,930	6,874,253	4,696,945	8,034,600
Northern Hemlock and Hardwood:						
(Softwood) total	14,678,000	8,060,000	12,227,000	8,235,000	9,766,000	11,498,000
Week (15 mills)	1,713,000	307,000	2,325,000	967,000	1,399,000	1,798,000
Northern Pine Manufacturers Ass'n:						
Total	26,571,000	32,158,800	40,675,800	36,659,700	38,211,000	48,472,000
Week (8 mills)	5,253,000	6,554,900	8,381,300	8,303,200	8,504,000	12,291,000
General total for 5 weeks	995,638,335	992,653,481	1,045,973,886	1,101,984,419	992,926,267	1,218,607,085
Northern Hemlock and Hardwood:						
(Hardwood) (5 weeks)	28,226,000	17,899,000	17,815,000	12,115,000	15,787,000	16,569,000
California White and Sugar Pine:						
Total	22,220,000*	26,123,000	53,143,000	61,012,000	54,102,000
Week (10 mills)	2,508,000*	7,093,000	5,922,000	13,343,000	6,267,000	13,475,000
General Total for Week	222,096,411	221,516,195	228,867,626	239,331,995	213,284,279	229,147,675

*Not included in general totals.

The following revised figures compare the lumber movement for the first five weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925	1,023,864,335	1,063,788,886	1,008,713,267
1924	1,010,552,481	1,114,099,419	1,235,175,085
1925 (Inc.)	13,311,854	(Dec.) 50,310,533	(Dec.) 226,461,818

Ten mills of the California White and Sugar Pine Association reported a cut of 2,508,000 feet last week, shipments 5,922,000 feet and orders 6,267,000 feet. The reported cut represents 21 per cent of the California Pine region total.

The West Coast Lumbermen's Association wires from Seattle that new business for the 118 mills reporting for the week ending January 31 was 11 per cent below production and shipments were 7 per cent above new business.

The Southern Pine Association reports from New Orleans that for 130 reporting mills, shipments were 0.36 per cent below production, while orders were 1.85 per cent below production and 1.50 per cent below shipments for last week. Of 85 mills reporting running time, 71 operated full time, including 10 on overtime, six of the latter on double shift. Four mills were shut down and the remainder operated from one to five days.

The Western Pine Manufacturers' Association of Portland, Ore., reports a slight increase in production, while shipments and new business show small decreases for last week as compared with the preceding week.

The California Redwood Association of San Francisco reports small decreases in production and new business and a little gain in shipments.

The North Carolina Pine Association of Norfolk, Va., operating four fewer mills than the preceding week, reports heavy decreases in all three factors.

The Northern Hemlock and Hardwood Manufacturers' Association of Oshkosh, Wis. (in its softwood production), reports large reductions in new business and production, while shipments showed a small decrease.

The Northern Pine Manufacturers' Association of Minneapolis reports little change in production and slight decreases in shipments and new business.

MECHANICAL

Excavator With Diesel Engine.

An excavator driven by a Diesel engine is shown in the accompanying illustration. It is provided with a one-cubic-yard, struck-measure dipper, but it can also be equipped, if desired, with a one-cubic-yard dragline or clamshell bucket operating on a 40-foot boom.

This Diesel-operated machine, which is a comparatively new development in excavating machinery, has been brought out by the Harnischfeger Corporation of Milwaukee, Wis., who have added it to their line of power-driven excavators, and it is known as Model 208. They state that it has the



DIESEL ENGINE EXCAVATOR AT WORK.

advantage of very high thermal efficiency, and it will burn a very cheap grade of fuel oil.

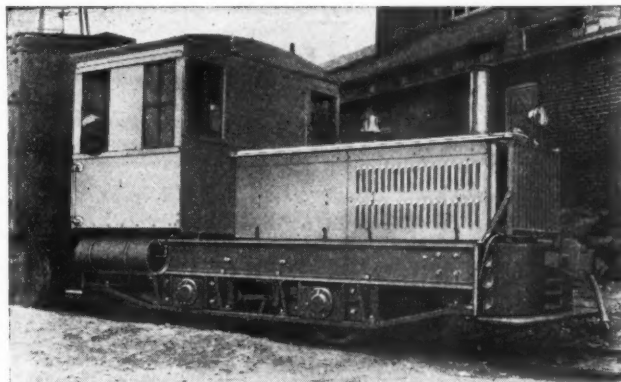
The engine is of the mechanical injection type and is of simple, rugged construction. The crankshaft, wrist pins, bearings, etc., are extra heavy, and the speed is very low, reducing vibration to a minimum.

Heavy Gasoline Locomotive.

An 18-ton gasoline locomotive for switching railroad cars as well as for handling large and heavy industrial and construction cars is shown in the picture herewith. It is a powerful machine and it is built for all gauges of track from 23½ inches to 4 feet 8½ inches, or standard gauge. The builders, the Fate-Root-Heath Company (Plymouth Locomotive Works), Plymouth, Ohio, have developed this engine in addition to their already extensive line of models and sizes to meet an urgent demand due to the increasing popularity of gasoline-powered equipment. It is built on very heavy lines and is exceedingly substantial throughout. The frame is very heavy with steel girder beam and bar sides and cast steel bumpers of liberal dimensions to sustain the severe strains and stresses incurred by a locomotive in such service for which this is intended. The wheels, all four of which are drivers, are 33 inches in diameter, with flanges and treads suitable to the kind of track used. Axles are of alloy steel, heat treated and fitted with Hyatt heavy-duty roller bearings with hardened sleeves, the bearings being enclosed in dustproof journal boxes carrying bronze thrust plates. Shims of various sizes that space the journal boxes are an excellent and easy means of chain adjustment, and there are two coil springs with each boxing that gives positive and easy spring action and easy riding of the locomotive.

The power plant consists of a Climax R-6, six-cylinder ver-

tical L-head engine, with 5½-inch bore and 7-inch stroke, of heavy-duty type, with full-force feed-oiling system and built-in governor. It has a high-tension dual-ignition system, using both magneto and battery to insure positive service. The carburetor is a Stromberg M-5 with air cleaner, and it is especially designed for this size engine and sudden demand for



LOCOMOTIVE AS IN SERVICE.

full power. A 12-volt back-geared starting motor and large battery afford a positive starting unit that is ready under all conditions, and a Modine sectional spirex core radiator with 30-inch fan affords ample cooling. There are four speeds forward and reverse, ranging from a little less than 3 to 24 miles per hour. Hand brakes are furnished regularly for industrial service, although straight-system air brakes are supplied when requested. Westinghouse automatic air brakes are furnished for railroad use. The sanders are air-operated. The fuel tank holds 50 gallons.

FOREIGN NEEDS

[The MANUFACTURERS RECORD receives many letters from abroad asking for information about American goods, and others, from men who wish to represent American houses. Without assuming any responsibility for these concerns, we publish a summary of the foreign letters of inquiry from week to week.]

Sulphur Phosphate.

MANUEL CAZE, Calle Valencia 202, Barcelona, Spain.—I would like to get in touch with American manufacturers of sulphur phosphate for the fabrication of matches, as great quantities of same seem to be in demand, provided that prices and qualities are convenient. I would like a list of firms producing such articles.

Electric Dish Washers.

J. H. BLOCK, Villa Asgard, Vevey, Switzerland.—At the electrical show in 1919 in New York I saw several electric dish washers. Sufficient time has passed to know if any of them or any other construction has proved their efficiency. Can you give me the name and address of any that merit introduction into this country where so many hotels, etc., long for it?

Cotton Linters Wanted.

BENSUSSAN & SIDES, Salonica, Greece.—We now have strong demands for cotton linters suitable for making hydrophil cotton, goods to be delivered c. i. f. Salonica, packing free, net cash—either 25 per cent in advance—balance against shipping documents through bank on steamer's arrival; or, by opening of an irrevocable and confirmed letter of credit with a first-class bank in New York, payable against shipping documents. Commission. We desire samples and quotations.

Kerosene, Benzine, Coal, Shoes, Etc.

SAHAG SIMONIAN, David's Street, Jerusalem, Palestine.—We work on commission connected with various American factories and wish to represent other companies to import into our territory goods as follows: Kerosene in tanks and drums, benzine in cans and drums, coal, leather of all kinds, shoes for gentlemen, ladies and boys. Would like to have samples and best current prices from manufacturers and—as to kerosene and benzine—wish to know how many gallons they can ship (minimum) in a steamer tank. We need 40,000 gallons of kerosene per each monthly shipment loaded either in steamer tanks or in drums.

Commendations, Kicks and Comments.

For Reference.

A. R. THOMMASSON, General Agent North British and Mercantile Insurance Co., New York.—This is certainly a splendidly edited volume, and will not only make interesting but very valuable reading for reference purposes in handling our business.

Much to Explore.

A. HOEN & COMPANY, RICHMOND, VA.—We are delighted with the volume.

It is a fine piece of work, a 'volume' of information and most interesting reading, and we have much to explore. We hasten to congratulate you on the production.

Of Value to a Minister.

ROBERT E. BRICKHOUSE, Minister Baptist Church, Darlington Heights, Va.—I am enclosing a check for \$3.25 to renew my subscription to the MANUFACTURERS RECORD. The amount I am sending is according to the rate you allowed me this year as a minister. I feel that I cannot do without the RECORD. Thank you for the rate you allow to ministers.

Unrealized Opportunities.

B. R. STONE, THE NU-SHINE COMPANY, REIDSVILLE, N. C.—"The South's Development" is certainly a masterpiece. It should do much good in the South in the way of acquainting Southern people with their opportunities, which have been unrealized. It certainly brings out facts, which, I am quite sure, many Southern people have been unaware of.

Showing Forth the South.

WILLARD T. KYZER, Secretary Kinston Chamber of Commerce, Kinston, N. C.—We have no hesitancy in stating it is a wonderful piece of work and that it will go a long way toward assisting in placing the true South before the world. You and your wonderful magazine are to be congratulated for the good you have done in the upbuilding of our section.

Passing It Around.

THE FRANZ SAFE & LOCK COMPANY, Jacksonville, Fla.—We consider "The South's Development" one of the best editions of this character that we have ever seen and read. We are passing this to each member of the firm for their personal attention. It is just such things as this that are making the South and we, for one firm, appreciate your efforts and your work along these lines.

Far-Reaching Educational Effect.

HARRY F. ATWOOD, President Constitution Anniversary Association, Chicago, Ill.—"The South's Development" exceeds all expectations, although I had expected a great deal. Its educational effect will be tremendous and far-reaching, and you are entitled to much gratitude and appreciation for expending so much energy in performing such a herculean task.

Keep the Flag Flying.

WILLOUGHBY M. MCCORMICK, McCormick & Co., Inc., Baltimore, Md.—I want to congratulate you and your good paper on turning out such a magnificent publication as "The South's Development."

We have a wonderful Southland and a wonderful people, and I earnestly hope that when the time comes to vote on the Child Labor Amendment and other measures of that kind they will stand right behind the flag you have been so valiantly flying for us all. Keep up the good work. Our country will be better by far for having men like you with the nerve and ability to put the facts before the people, and you will have the satisfaction of knowing you have done your full duty.

See the South First.

F. N. HAGMANN, JR., Sanitary Well Drilling, Vienna, Va.—I find "The South's Development" "chock full" of information, much of which is in the form of facts I have been in search of. Other items are extremely interesting news to me. It is a work I do now, and will in the future, find much use for.

One cannot read this work without being inspired to "See the South First." Even before I became a subscriber to your paper I began to realize there were many golden opportunities in the South. And since I have been hoping that I might take some small part in its development.

Yours is a paper that no wide-awake man should miss reading and digesting.

Most Useful.

BOLLING W. BARTON, THE BARTON, DUER & KOCH PAPER CO., BALTIMORE, MD.—There is no question that this issue should make a most favorable impression everywhere and should prove most useful in many ways in connection with the development of the South, and I am sure it will prove of tremendous interest to all who inspect it carefully.

I have been holding a copy of your issue of November 24 of the MANUFACTURERS RECORD on my desk to congratulate you personally on your editorial, "Thanksgiving Day." It is really splendid, and if we had more men who thought and expressed themselves as you have, we would have additional reasons for being thankful indeed.

Information In Advance of Other Papers.

N. T. BURROUGHS, Fort Myers, Fla.—I have been reading your valued paper for years and I consider it one of the leading papers of the country. I have noticed that the MANUFACTURERS RECORD discovers many of the errors and mismanagements in our country prior to any other paper I can find. Later we notice the discussion by other papers, hence yours is the most valuable paper for a business man that I know of.

I want to thank you for the information sent me concerning the South, as I have already changed my residence from Chicago to Fort Myers, Fla.

Wonderful Advantages.

WALTON ADVERTISING AGENCY, INC., Charlotte, N. C.—We congratulate you upon this wonderful assembly of facts.

From an editorial standpoint we doubt if there were ever before so many pertinent facts presented regarding the South and its wonderful advantages and opportunities. From a typographical and mechanical standpoint it is superb.

The whole is a fitting achievement to your 50 years of labor in the Fourth Estate of the South, to whose cause you have given the best that you have possessed.

Needed by Chautauqua Lecturer.

C. F. HOLLAND, Manager Little Rock Board of Commerce, Little Rock, Ark.—Have just received a copy which you sent to me of "The South's Development." Charles H. Brough, 1855 Arch street, this city, formerly Governor of Arkansas and at present on the Chautauqua platform, is preparing a new address on the South's development. He came to my office the other day seeking new material. I let him have for temporary use our office copy of "The South's Development." I would appreciate it very much if you would send to him a copy of this special publication and send me a bill for same.

A Minister's Commendation.

REV. W. E. LOWE, Blacksburg, S. C.—You will find my check enclosed for \$3.25, for which please renew my subscription to the MANUFACTURERS RECORD. I greatly enjoy your publication and especially your editorials. I love to read the articles written by a man who stands for truth, righteousness and God.

Many thanks for "The South's Development." It is a wonderful book and is full of valuable information. I am keeping it for future reference.

Gold Without, and Golden Data Within.

JOS. W. BRISTOL, Assistant to the President, United States Fidelity & Guaranty Company, Baltimore, Md.—Without one bit of extravagant language, I want to say that your recent book on Southern development is in appearance the most magnificent piece of book-work I have seen in many years. Gold on the outside—golden data on the inside—on Southern development. It is a perfect encyclopedia of Southern activities for a half century.

Concise and Convincing.

W. J. BALDWIN, Director of Publicity, Alabama Power Company, Birmingham.—"The South's Development" contains the most concise, comprehensive and convincing story of the new South that has ever been brought to my attention. That there will be a South-wide appreciation of your efforts goes without saying. I consider the volume a wonderful reference book.

To the Point.

T. B. UPCHURCH, Raeford, N. C.—THE MANUFACTURERS RECORD is the best all-round publication that I know of. By reading it you are kept in touch with the leading business interests of the country. The editor's articles regarding political issues are to the point, clear-cut and bespeak a fair mind, with a clear insight into the future.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Bridges, Culverts and Viaducts

Ala., Lillian—Baldwin County, Ala., and Escambia County, Fla., plan expending \$8000 to improve bridge over Perdido River. Address County Comms.

Ala., Montgomery—State Highway Comm., received low bid from Virginia Bridge & Iron Co., Roanoke, Va., at \$109,480 for swinging pivot span to be placed in center of Reese's Ferry Bridge; J. A. Peterson, Montgomery, at \$11,466 for concrete and creosoted timber work, and Riley & Riley, St. Louis, Mo., at \$7085 to place sheet asphalt surfacing on bridge floor and approaches.*

Ark., Fulton—State Highway Comm., Little Rock, plans building toll bridge across Red River at Fulton.

Ark., Lake Village—Chicot County contemplates \$4,500,000 toll bridge across Mississippi River; near Lake Village.

Ark., Pawhuska—Osage and Pawnee Counties plan building 2265-ft. steel bridge and approaches over Arkansas River, 6 piers and 5 spans, each 211 ft. Address County Comms.

Fla., Arcadia—De Soto County plans building 3 bridges: Over Horse Creek, Joshua Creek and Hawthorne Branch. Address County Comms.

Fla., Fort Lauderdale—City plans building and improving 3 bridges and approaches; will vote Feb. 21 on \$12,000 bonds; construct North Ave. Bridge, \$4000; widen and improve approaches to Andrews Ave. Bridge, \$7000; complete Las Olas Bridges, \$1000 Address City Clk.*

Fla., Fort Lauderdale—City plans building 2 bridges over New River: At East Ave. and near Colee Ave.; will vote Feb. 28 on \$200,000 bonds. Address City Clk.

Fla., Palm Beach—W. J. Conners plans building 200-ft. bridge, with 50-ft. steel draw, over St. Lucie Canal, at Conners Florida Highway, between Okeechobee City and Canal Point.

Ky., Hazard—Perry County Fiscal Court will construct 3 bridges: 2 across Kentucky River at Allais, cost \$50,000; at Jeff, cost \$25,000.

Ky., Whitesburg—Letcher County Fiscal Court will let contract in 2 weeks for bridge across Cumberland River.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La., received low bids for 2 bridges: From Vincennes Bridge Co., Vincennes, Ind., at \$26,097 for 254-ft. interstate bridge between Mississippi and Louisiana, on New Orleans-Mississippi Highway or old Spanish Trail; Banta & Muttersbaugh, Inc., Lake Charles, at \$6644 for approaches and repairs on Abbeville Bridge over Bayou Vermillion.

La., Morgan City—City, plans improving Bayou Boeuf and Atchafalaya River Bridges, and eliminating 4 grade crossings on Southern Pacific R. R. east of city. Address Mgr. Van Pelt.

Miss., Georgetown—Great Southern Lumber

Co., J. M. Geiger, Sec., Marine Trust Bldg., Buffalo, N. Y., reported planning to construct railroad bridge over Pearl River, near Georgetown.

Miss., Gulfport—See Road and Street Construction.

Miss., Vicksburg—City will receive bids Feb. 16 for bridge, and for 10,000 cu. yds. fill on Chambers St. extended; plans, etc., from City Clk.; J. J. Hayes, Mayor.

Miss., Natchez—Adams County Board of Supvrs. will receive bids Mar. 3 for girder bridge over Dry Bayou, Washington road; plans from W. H. Hale, Clk.*

Mo., Poplar Bluff—State Highway Dept., Jefferson City, contemplates building 1000-ft. viaduct over Missouri Pacific and Frisco R. R. tracks at Fifth St. crossing, cost \$100,000.

Mo., Springfield—See Road and Street Construction.

Mo., St. Louis—See Road and Street Construction.

Okla., Stillwell—State Highway Dept., Oklahoma City, plans installing concrete culverts and building concrete spillways in Adair County Highway.

S. C., Burton—Beaufort County Board of Directors, plans reinforced concrete bridge over Tide Water Creek near Burton; Chas. G. Luther, Chmn.

S. C., Charleston—Sanitary & Drainage Comm., 39 Broad St., will receive bids March 5 to construct 689-ft. reinforced concrete viaduct over A.C.L. Ry., and Southern Ry. tracks at Five Mile, near Charleston, 2374 cu. yds. concrete, 350,700 lbs. reinforcing steel, 1928 sq. yds. rock asphalt paving; plans, etc. on file.

S. C., Lancaster—Lancaster County Comms. will receive bids Feb. 27 for 6 concrete bridges and culverts: 8x8-ft. and 8x5 ft. reinforced concrete box culverts; 40-ft. span reinforced concrete deck girder bridge; 3 reinforced concrete deck girder bridges, 2 30-ft. spans in each bridge, 94,000 reinforcing steel; John R. Falls, Clk.; plans on file, and from Carolina Engineering Co., 917 Johnston Bldg., Charlotte, N. C.

Tenn., Chattanooga—Southern Ry. System, R. Hayes, Structural Engr., Washington, D. C., plans building viaduct at East Third St.*

Tenn., Columbia—Maury County plans constructing bridge over Duck River on Sowell Mill pike; Burke Wilkes, Road Supt. Address County Comms.

Tex., Houston—Harris and Galveston Counties will receive bids Feb. 24 for concrete bridge on Galveston-Houston Highway; Howe & Wise, County Engrs., First National Bank Bldg., Houston; John M. Murch, County Auditor.*

Tex., Mercedes—Gulf Coast Lines, C. S. Kirkpatrick, Ch. Engr., Houston, let contract to Dodds & Wedegartner, San Benito, for 1500 ft. creosoted timber trestle over floodway of Mercedes Texas Flood protection project, estimated cost \$20,000; to L. D. Crawford, Mercedes, for grading.

Tex., Paris—State Highway Comm. of Texas, Austin, and State Highway Comm. of Oklahoma City, Okla., will receive bids in about 60 days to rebuild bridge across Red River, between Texas and Oklahoma, near Arthur City, 219-ft. span, 2 concrete piers, re-erect two 200-ft. spans, etc.; estimated cost \$110,000; W. M. Fooshee, County Engr.; W. Dewey Lawrence, County Judge, Paris; G. G. Wickline, Bridge Engr., State Highway Dept.

Tex., Sweetwater—Nolan County will build 5 bridges. See Road and Street Construction.

W. Va., Kanawha Falls—Kanawha Falls Bridge Co., Inc., plans building bridge across Kanawha River at Kanawha Falls.

W. Va., Welch—McDowell County Court let contract to Mirable & Defuria, for 50-ft. span concrete bridge at Black Wolf; Fred M. Stewart, County Road Supvr.

Canning and Packing Plants

Ark., Hot Springs National Park—Garland Canning Co., capital \$15,000, incorporated; F. Leslie Body, Harvey Pitman.

Mo., Cape Girardeau—S. M. Thompson contemplates installing canning plant.

Mo., Monett—Louis Maull & Co., St. Louis, will establish canning plant; also cucumber salting station.

Mo., Taneyville—Curry & Son, Jenkins, Mo., plan establishing canning plant.

Tenn., White Bluff—H. A. Stanley of Sunbright Canning Co., Dickson, will erect canning plant.

Clayworking Plants

Ky., Louisville—Southern Brick & Tile Co. will rebuild burned engine and boiler room. Va., Saltville—W. M. Chapman Brick Co., capital \$15,000, incorporated; W. M. Chapman, Pres.; Clyde Crafts, Sec.

Coal Mines and Coke Ovens

Ala., Birmingham—D. H. Brown Coal Co., capital \$55,000, incorporated; James A. Mitchell, First National Bank Bldg.; Paul Lanier.

Ky., Madisonville—Nebo Coal Corp., chartered; C. C. Beckwith, E. L. Wood.

Mo., Vandalia—Midway Coal Co., capital \$10,000, incorporated; Max Galloway, Wm. H. Haas.

West Virginia—C. W. Krebs, Pres. of Coitiaga Development Co., Charleston, W. Va., reported to have purchased 45,000 acres in Mingo County containing coal, gas and oil.

West Virginia—Flint & Co., Inc., 25 Broad St., New York City, reported have agreed to undertake the merger of numerous independent coal mining plants in what is known as the northern West Virginia field, involving 75,000 acres of developed coal lands in the Fairmont-Clarksburg-Morgantown district; properties valued at approximately \$100,000,000.

W. Va., Fireco—Bolen Coal Co., organized with E. C. Minter, Pres., Beckley; John N. Smith, Supt.

W. Va., Beckley—Raleigh Smokeless Fuel

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co. acquired controlling interests of Lillybrook Coal Co. which purchased Lilly and Hornbrook Coal Co., Lillybrook; new officers of the Consolidated Lillybrook Coal Co. are J. B. Clifton, Pres.; John R. Hornbrook, Gen. Mgr., both Beckley; will have over 5000 acres coal land under development, contemplate increasing monthly capacity to 100,000 tons.

W. Va., Iaeger—Pocahontas Mining Co. incorporated; David F. Reid, C. M. Brewster, W. H. Wood.

Concrete and Cement Plants

Fla., Tampa—Hawthorne Concrete Works, capital \$30,000, incorporated with Ward H. Wadsworth, Pres.; Frances A. Blair, Sec.

N. C., Kinston—The Trinity Concrete Products Co. will establish plant on E. North St., Alfred Ashford and A. Cheney in charge.

Tenn., Richard City—Dixie Portland Cement Co., W. H. Klein, Gen. Supt., lately noted to expend \$200,000 on improvements; work consists of replacing present engine drives and D. C. motors by A. C. motors; all equipment purchased, and construction by company's forces.*

Cotton Compress and Gins

Okl., Claremore—C. C. Hultquist, 726 Exchange National Bank Bldg., Muskogee, will double capacity of plant.

Tex., Plainview—Bounds and Lee, Lamesa, will erect cotton gin.

Drainage and Irrigation

S. C., Orangeburg—Cow Castle Drainage Comsn., J. M. Brailsford, Chmn., contemplates constructing additional lateral.

Tex., Bay City—Collegeport Rice & Irrigation Co. changed name from Turner Rice & Irrigation Co.

Tex., Edinburg—Hidalgo County Water Improvement Dist. No. 4, Fred N. Taylor, Sec., let contract to L. D. Crawford, Mercedes, at \$100,000, for intake canal near Penitas, 60,000 yds., Penitas main canal, 760,000 yds., and settling basin levee near Penitas, 150,000 yds., also clearing; also to Fairbanks, Morse & Co., N. Market St., Dallas, Tex., at \$129,050 for 2000 h.p. Diesel engines and centrifugal pumps; W. L. Rockwell, Engr., Edinburg.

Tex., Hankamer—Hankamer Irrigation Co. incorporated by I. A. Hankamer, J. M. Johnson, J. J. Penick.

Electric Light and Power Plants

Ala., Birmingham—See Land Development.

Ala., Florence—Walsh & Weidner Boiler Co., Main and Sycamore Sts., Chattanooga, Tenn., reported to have contract for displacement counterweights at Wilson Dam.

Ala., Fort Payne—A. A. Miller will install additional equipment at light plant.

Fla., Daytona—See Land Development.

Fla., Daytona—See Land Development.

Fla., Orlando—See Land Development.

Fla., Deland—E. L. West, Easton, Pa., Pres. of Management Company of Florida Public Service Co. reported to expend \$50,000 in improvements during 1925.

Ala., Gantt—Alabama Public Service Comn., Montgomery, approved petition of River Falls Power Co., River Falls, to construct transmission line from Gantt via Dozier to Brantley.

Fla., Miami—See Land Development.

Fla., Pensacola—See Land Development.

Fla., Sarasota—See Land Development.

Fla., South Jacksonville—See Land Development.

Ga., Augusta—Augusta-Alken Railway & Electric Corp., Lamar Bldg., F. B. Culey, Gen. Mgr., reported to have plans for construction of power line from Augusta to Toccoa, 100 miles, estimated cost of \$1,500,000.

Wire from Charles G. Adsit, Atlanta, Ga., advises: "Tower line Augusta to Toccoa to be built by Georgia Railway and Power Co.'s own engineers and construction force; Charles G. Adsit, Executive Engr. and Wm. P. Hammond, Engr. in charge."

La., Lake Charles—Lake Charles Electric Co., Inc. will rebuild present overhead electric circuits and add additional circuit; materials purchased.

La., Mansura—City, Arthur J. Escude, Mayor, receive bids Feb. 25 for electric light and water-works improvement. (See Machinery Wanted—Electric Light and Water-works Improvement.)

Md., Hagerstown—City rejected offer of Potomac Edison Co. to supply city with electricity.*

Miss., Hazlehurst—City Council contemplates installing electric light plant.

Mo., Leeper—W. H. Meredith of Poplar Bluff, reported interested in hydro-electric project on Black River, dam 130 ft., long, creating reservoir covering approximately 800,000 acre ft. capacity, extending into Wayne and Reynolds county, develop about 10,000 h. p.

N. C., Asheville—See Land Development.

N. C., Elizabeth City—City, W. Ben Goodwin, Mayor, has acquired properties of Elizabeth City Sewerage Co., Water and Power Co. and Electric Light Co., will operate under direction of Elizabeth City Utilities Comsn.

N. C., Chimney Rock—Chimney Rock Mountains, Inc., Box 1229 Asheville, S. E. Elmore, Sec., will receive bids Feb. 17 through Mees and Mees, Engrs., Kinney Bldg., Charlotte, for Rocky Broad River dam to create Lake Lure of 1500 acres; dam,

100 ft. high and 570 ft. long at top; estimated cost \$670,000; Blue Ridge Power Co., 144 E. Fair St., Spartanburg, S. C., recently contracted to purchase power developed, 13,500,000 k.w. yearly; started construction transmission line connecting with Turner Shoals plant of Blue Ridge Co.; W. N. Willis, Engr., Cleveland Law Bldg., Spartanburg, S. C.*

N. C., Kinston—City Council contemplates installing white way system.

N. C., Laurinburg—Norman Power & Milling Co., Inc., Mrs. Estelle C. Norman, Pres.; Clyde D. Norman, Sec.; is erecting 300 to 400 h. p. plant; will serve Gibson, N. C., Fletcher Memorial School, Marlboro County, S. C., and eventually Tatum, S. C.; plant has been leased by D. A. Monroe for 25 years.

S. C., Bowling Green—Bowling Green Electric Co., incorporated, N. B. Dulin, Pres.; M. Q. Petty, Sec.; construct transmission line.

S. C., Columbia—Broad River Power Co., will construct 33,000 volt transmission line. S. C., Laurens—Blue Ridge Power Co., 144 E. Fair St., Spartanburg, has applied for franchise.

S. C., Lexington—Broad River Power Co., Columbia, reported to acquire May 1 plant of Lexington Electric Light & Power Co.

Tenn., Chattanooga—Tennessee Electric Power Co., Hamilton National Bank Bldg., will install lighting system in Twelfth Ward. Tenn., Chattanooga—See Land Development.

Tenn., Rogersville—Hydro-Electric Corporation, capital \$40,000, chartered by George D. Hale, Phil H. Riley.

Tex., Canyon—Mayor, C. N. Harrison, signed contract with H. Wurdack of Texas Utilities Co., Plainview, to take over lighting of town, will pump city water, and erect 20-ton ice plant.

Tex., Littlefield—Texas Utilities Co., Plainview, reported to have acquired Littlefield Light & Power Co.'s plant and franchise and to extend transmission lines to Anton, Amerst and Sudan.

Tex., Lubbock—Texas Utilities Co., Plainview, reported to construct transmission line to subdivision of Anton Townsite Co., at Anton, to furnish power and light.

Tex., Westbrook—West Texas Electric Co. controlled by Southwestern Power & Light Co., 71 Broadway, New York, granted franchise and will construct transmission line from Colorado to Big Springs.

Va.-Tenn., Bristol—Bristol Gas and Electric Co. reported to expend \$128,412 in next six months in improvements to gas and electric facilities.

Va., Martinsville—Southern Virginia Power Corp., Grand Central Terminal, New York,

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MANUFACTURERS RECORD

BALTIMORE, MD.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

let contract to Ambursen Construction Co., Inc., Grand Central Terminal, New York, for construction of 40 miles of transmission line, cost \$750,000; develop 2400 h. p.; B. W. Boulware, Martinsville, Engr. in charge; will supply power to Ridgway, Bassett, etc.*

W. Va., Fairmont—G. M. Alexander, Pres. Monongahela West Penn Public Service Co., advises that consolidation of all electric light and power companies of West Penn system in West Virginia has been effected; this has been accomplished by transfer to Monongahela West Penn Public Service Co. of all physical properties and assets of Brooks Electric Co. operating in Brooke, Hancock and Ohio counties, West Virginia; West Virginia and Maryland Power Co., operating in Preston, Taylor, Barbour, Randolph and Mineral counties, West Virginia; Parsons Electric Co., operating in Tucker County, W. Va.; West Virginia Public Service Co., operating in Upshur County, W. Va.; St. Mary's Power and Light Co., operating in Pleasants County, West Virginia; and West Maryland Power Co., operating in Garrett County, Md.*

Fertilizer Factories

Ala., Decatur—Decatur Fertilizer Co., is installing of additional machinery; increase output 25 per cent.

S. C., Aiken—Shuler-Owens Co., incorporated; J. T. Shuler, Pres.; W. E. Shuler, Sec.

Flour, Feed and Meal Mills

La., Cedar Grove—Marshall Milling & Elevator Co., Marshall, Tex., let contract to Hansen-Worden Construction Co., Shreveport, for erection of grain and mill elevator; plant will be known as Shreveport Mill and Elevator Co.*

Mo., North Kansas City—Radial Warehouse Co., H. G. Wolf, Pres., Chambersburg, Pa., acquired warehouse at Armour Rd. and Charlotte St. and will equip for flour blending plant; install tray elevator; belt conveyor and system of spiral chutes; cost \$50,000.

Mo., Springfield—Holland-O'Neal Milling Co., McDaniel Bldg., will erect 2-story, 40x180 ft. annex; S. E. Dobbs, Archt., 530 W. Lynn St.

Mo., Troy—Troy Mills, capital \$15,000, incorporated; F. H. Henni, H. M. Maire.

Tenn., Morristown—Pinnacle Mills increased capital from \$60,000 to \$150,000, changed name from Morristown Flour Mills.

Tex., Austin—Marks Grain Co., capital \$20,000, incorporated by H. W. McKean, A. T.

Foundry and Machine Plants

Ala., Birmingham—American Casting Co., Ninth Ave. and L. & N. tracks, increased capital, \$50,000 to \$100,500.

Ga., Columbus—Dismuke Iron Works, Inc., Fourth Ave., capital \$150,000, chartered by W. H. Dismuke, Sr., Wm. H. Dismuke, Jr., Fred W. Dismuke.

Mo., St. Louis—Service Iron Works, capital \$15,000, incorporated; Frederick A. Schoen, 3422 Osage St.; Carl H. Schoen, 3622 Connecticut St.

N. C., Charlotte—W. G. Jarrell Machine Co., W. G. Jarrell, Pres.-Mgr., 20 W. Fourth St., let contract to Blythe & Isenhour, Brevard Court, for machine shop, Mint and Palmer Sts., 1-story, 50x150-ft., brick, steel truss roof, estimated cost \$20,000.

S. C., Denmark—The Denmark Machine & Foundry Co., T. E. King, Mgr., purchased the T. J. Price Foundry and Machine Co.'s plant; will install additional equipment to be used in the manufacture of saw mill edgers and trimmers and for general machine repairs including, lathes and key way cutting attachment for drill press. (See Machinery Wanted: Lathes, etc.)

Va., Lynchburg—The Standard Chill Castings Co. will rebuild burned plant.*

Va., Norfolk—Nye The Engine Man, Inc., capital \$25,000, chartered; L. B. Nye, Pres.; Geo. W. Austin, Sec.

Gas and Oil Enterprises

Ala., Huntsville—State Security Comsn. authorized Greater Huntsville Oil and Gas Co. to issue and sell 100 shares of common stock.

Ala., Linden—Texas Oil Co., Houston, will erect distributing plant and warehouse.

Fla., Lemon City—Orange State Oil Co., will erect 11 tanks at cost of \$25,000; including one 36 ft. in diam. capacity 230,000 gals., 10,000 gal. tank for gasoline, 10,000 gal. tank for kerosene and 7 5000 gal. tanks for oil.

Fla., Orlando—See Land Development.

Fla., Tavares—J. M. Gillespie and J. H. Blye reported interested in installing gas plant.

Ga., Valdosta—Diamond Oil Co., capital \$50,000, incorporated; F. C. Pendleton, C. L. Harrell, Albert J. Little.

Ky., Lexington—Swiss Oil Corp., Moise Bldg., reported to have acquired properties of Union Gas and Oil Co.

La., Lake Charles—Lake Charles Electric Co., Inc., Jos. Bowers, Mgr., plans remodeling gas plant, cost about \$15,000.

Mo., St. Louis—Casinghead Gasoline Co., capital \$500,000, incorporated; J. D. Thurman, 6753 Page Ave.

Mo., St. Louis—Laclede Gas Light Co., 1017 Olive St., let contract to Bartlett Hayward Co., 200 Scott St. Baltimore, Md., for construction of 2,000,000 cu. ft. gas tank at 141 Park Blvd.*

N. C., Burlington—Mees & Mees, Engrs., Kinney Bldg., Charlotte, have secured tentative option on franchise for installing gas plant.

Okla., Blackwell—Blackwell Oil & Gas Co., has plans by H. H. Mahler, Lynch Bldg., Tulsa, for building.

Okla., Newkirk—Newkirk Refining Co., capital \$300,000, incorporated by C. N. Atkinson, J. M. Beesley.

Tenn., Nashville—Hall's Scottsville Oil Co., capital \$60,000, incorporated; Homer Hancock, Jeff D. Hunt.

Tenn., St. Elmo—Fowler-Lewis Oil Refining Co., capital \$50,000, incorporated by J. L. Lewis, F. E. Lewis, Edward Fowler, 5415 Beaulah St., all of Chattanooga; has 2 acre site and will erect oil reclaiming plant; 60 x100 ft; fireproof; reinforced concrete and hollow tile.

Tex., Breckenridge—Humble Oil & Refining Co., Humble Bldg., Houston, Tex., reported to have acquired properties of Hope Engineering Co., including 3 gasoline plants, 10 tank cars, feeder mains, etc.; will probably construct addition.

Tex., Houston—Mills Bennett, Second National Bank Bldg., will construct 16 miles of 6-in. pipe line from South Liberty to Barber's Hill; is erecting 55,000-bbl. tank.

Tex., Houston—Humble Pipe Line Co., increased capital, \$12,000,000 to \$24,000,000.

Tex., Laredo—O. W. Killam and associates reported to construct pipe line from Miranda City to Corpus Christi or Aransas Pass.

Tex., San Antonio—Southern Natural Gas Co., 516 Maverick Bldg., let contract to Hope Engineering & Supply Co., Mt. Vernon, Ohio, for 20 miles 10-in., 18 ml. 8 in. and 4 ml. 7-in. pipe line.*

West Virginia—See Coal Mines and Coke Ovens.

Ice and Cold-Storage Plants

Ga., Thomaston—Alvah Nelson Lumber Co. installing equipment for cold storage ice plant

furnished by the York Manufacturing Co., York, Pa., and R. D. Cole Manufacturing Co., Newman, Ga.

Mo., Wellston—Wellston Ice Cream Co., incorporated by Charles M. Geyer, Robert D. Geyer.

S. C., Winnsboro—Master Ice & Fuel Co., capital \$20,000, incorporated; J. L. Robinson, Pres.; J. C. McMaster, Sec.

Tex., Abilene—Independent Ice & Refrigerator Co., let contract to J. R. Horn & Son, for \$18,000 ice plant at Sixth and Oak St., 1-story, 60x140 ft, brick and hollow tile; The Frick Co., Central Bank Bldg., Dallas, Tex., will furnish ice machinery; David S. Castle, Archt.-Engr., 26-31 Radford Bldg., Abilene.

Tex., Canyon—See Electric Light and Power Plants.

Tex., Childress—R. D. Wiley and associates, acquired Jordan building, will install cold storage plant.

Tex., South Palestine—Sam. L. Watts, Tyler, and Park Hoston, South Palestine, will erect ice plant, brick and concrete.

Tex., Fort Worth—Arlington Ice Co., E. P. Maddox, Pres., 301 E. Magnolia St., let contract to C. T. Hodge, Keene Bldg., Fort Worth, for \$15,000 ice plant at Arlington Heights, brick and steel; install \$30,000 machinery; daily output 30 tons; equipment furnished by Arctic Ice Machine Co., Canton, Ohio.*

Land Development

Ala., Birmingham—Dixie-Shelby Realty Co., capital \$10,000, incorporated with Albert Stradford, Pres., Lincoln Life Bldg.; John C. Adams, Sec.

Ala., Birmingham—Lee Real Estate and Investment Co., capital \$10,000, incorporated by Gilbert Lee Smith, E. B. Irwin, 1521 S. 16th St.

Ala., Birmingham—John V. Coe, 1108 Iroquois St., and S. E. Thompson, Title Guarantee Bldg., has begun development of first unit of subdivision between Shadyside and Bush Hills; initial expenditure \$65,000; construct roads and streets, install water, sewer, electric lights, etc.

Ala., Birmingham—Lamar Smith Realty Co., incorporated; Lamar Smith, Highland V. Apts.; Henry B. Smith.

Ala., Phenix City—City votes March 10 on \$80,000 bonds for water works. Address the Mayor.

Ala., Tuscaloosa—Allen and Jemison Realty Co. increased capital to \$500,000.

Ala., Tuscaloosa—Pelham Brown and W. H. Nichol are developing subdivision; will install mile of paving and sewers.

Ark., Fort Smith—City, D. L. Ford, Mayor, will develop 23 acres on Grand Ave. for memorial park.

Ark., South Bend—South Bend Plantation Co., capital \$250,000, incorporated with J. R. Goynes, Pres.; Pullham Lowden, Sec.; develop 32,000 acres.

Fla., Arcadia—Flor-Penn Development & Organization Co., H. T. Williams and others interested in development of city at Gardner.

Fla., Avon Park—John B. Densmore, Pres., Albee Bldg., Finance and Security Co., Washington, D. C., has merger with Lake Glenada Co.; will develop 1200 acres of groves.

Fla., Avon Park—W. C. Hannah of Kentucky Realty Auction Co. will develop subdivision; construct roads and streets; install water, sewer, etc.

Fla., Bartow—Gibson & Jordan will develop 27 acres on Dixie Highway for subdivision.

Fla., Bartow—Frank L. Wilson will develop 15 acres for subdivision.

Fla., Bradenton—Bradenton Shores Development Co., capital \$100,000, incorporated; E. O. Plaisted, Pres.; D. H. Tallant, Sec.

Fla., Bradenton—Carl Haselton Realty Co., capital \$50,000, incorporated; Carl Haselton, Pres.; Laurence H. Haselton, Sec.

Fla., Clewiston—Clewiston, Inc., capital \$300,000, chartered; Isaac T. Cook, Pres.; Karl B. Watkins, Sec.

Fla., Daytona—West Daytona Development Co., capital \$500,000, incorporated; R. D. Craig, Pres.; Duncan Mills, Sec.

Fla., Daytona—City, H. B. Cassin, Mgr. is developing 20 acres along Beach St. for city park; completed seawall; will construct walks, install lighting; city water; widen Beach St.; grade streets, etc.; cost \$50,000; A. D. Taylor Offices, Landscape Archt., 115 Main St., Orlando.*

Fla., Daytona—The Francis-Pickering Co., Leslie E. Francis, Pres., 130 Orange Ave., will develop 650 acres for subdivision; install \$25,000 electric system; \$75,000 water works, \$100,000 roads and streets, clear, dredge and fill, golf course, etc.; C. de Rogers, Constr. Engr.; A. D. Taylor, Landscape Archt., 115 Main St., Orlando.*

Fla., Dunnellon—Dunnellon Garden Homes, capital \$75,000, incorporated; E. E. Hanna, Pres. Herman Leigh Page, Sec.

Fla., Fort Lauderdale—Tarpon Realty, Inc., capital \$50,000, incorporated with R. W. Whelan, Pres.; Nan B. Whelan, Sec.

Fla., Fort Lauderdale—See Water Works.
Fla., Fort Pierce—J. J. Heim and R. R. Martin have sold to New York capitalists 2000 acres for development.

Fla., Fort Lauderdale—Deerfield Improvement Co., capital \$240,000, incorporated; J. D. Butler, Pres.; O. H. Butler, Sec.

Fla., Fort Lauderdale—Broward Development Co., capital \$50,000, incorporated; D. G. Stoner, Pres.; C. C. Stebbins, Sec.

Fla., Fort Myers—Florida West Coast Inc., St. Petersburg, acquired 60 acres.

Fla., Frostproof—C. G. Hall, Selma, Ala., acquired 15-acre tract.

Fla., Frostproof—C. M. Millett and L. Maxey acquired tract, Hickory Lake.

Fla., Frostburg—Drivers and Townsend, Realty Co., capital \$500,000, incorporated; Paul S. Ragan, Pres.; John J. Kennedy, Sec.

Fla., Jacksonville—Jacksonville Beach Park, incorporated; J. Lapinsky, Pres.; F. M. Perry, Sec.

Fla., Jacksonville—W. R. Rannie, Pres., Bisbee Bldg., Pablo Beach Improvement Co., Fred M. Valz and Robert Gamble acquired Deer Island, tract of 90 acres, and will develop.

Fla., Jacksonville—Brywill Realty Co., capital \$250,000, incorporated; James Y. Wilson, Pres., Clark Bldg.; A. E. Dempster, Sec.

Fla., Jacksonville—Jacksonville Land Holding Co., capital \$30,000, incorporated; Lee Guest, Sec., Graham Bldg.

Fla., Jacksonville—Tami Corporation, capital \$800,000, incorporated; Harry Goldstein, Pres.; Ernest H. Lyons, Sec.; develop subdivisions.

Fla., Jacksonville—T. J. Knabb of Macclenny acquired 11,000 acres in Baker County.

Fla., Jacksonville—Sunshine Realty Co., capital \$50,000, incorporated; R. H. Gibbons, Sec., 1139 Oak St.

Fla., Jacksonville—Charles Wichmann will develop Bella Vista, subdivision; construct roads and streets; install water, sewers, etc.; contract let to Arnold Stone Brick & Tile Co., Lem Turner Rd., for construction of ornamental entrance.

Fla., Jacksonville—J. H. Pratt, 1650 Hubbard St., acquired 10 acres and will develop.

Fla., Jacksonville—Otulka Land Co., capital \$1,000,000, incorporated with Louis P. Aloe, Pres.; David B. Aloe, Sec.

Fla., Jacksonville—Jacksonville Beach Park, Inc., Jacob Lapinsky, 325 W. Thirty-ninth St.,

New York, Pres., will expend \$30,000 in subdivision improvements.

Fla., Jacksonville—Malcolm Meacham, 13 Park Row, New York, reported to have acquired extensive water front acreage from Key West Realty Co.

Fla., Kendall—Greater Miami Development Co., George A. Rubins, 230 W. Flagler St., Pres., Miami, acquired 670 acres and will develop, Sunset Garden subdivision; have let contracts for streets, sidewalks; will install water, sewers, etc.*

Fla., Key Largo—W. J. Benn, New York, acquired 124 acres through Lee & Brooks, First National Bank Bldg.

Fla., Kissimmee—H. Gilbert acquired 1200 acres in Kissimmee Park; develop lake shore town.

Fla., Melbourne—Melbourne Farms Co., capital \$350,000, incorporated with E. W. Thompson, Pres.; A. M. Ebright, Sec.

Fla., Melbourne—Melbourne Gulf and Country Club, Inc., Ernest H. Avery, Sec., considering enlarging golf course under direction of Donald Ross, Golf Archt., Southern Pines, N. C.

Fla., Miami—N. B. T. Roney, 426 Collins Ave., Miami Beach, acquired tract of 425 acres and will develop.

Fla., Miami—Mid-State Realty Co., capital \$25,000, incorporated; Fred Stein, Pres., 315 N. E. First Ave.

Fla., Miami—Buckeye Holding Co., capital \$25,000, incorporated; Lillian L. Pitts, Sec., 329 S. W. Ninth Ave.

Fla., Miami—Eldorado Investment and Development Co. acquired 329 acres on Lake St. and will develop.

Fla., Miami—Irons Land & Development Co. acquired 640 acres and will develop.

Fla., Miami—Gordon & Raymond acquired 42 acres on Dixie Highway; will develop for subdivision.

Fla., Miami—Snedigar & Miller, Miami Bank & Trust Company, Bldg., advise they have added to holdings of 11,750 acres near Okeechobee and expect to develop town of Harding, now own 22,250 acres; property is being held by Miami Bank & Trust Co. for J. J. Murphy and G. R. Millard, co-partners, Hialeah; also for Snedigar & Miller and for Dr. R. J. Lamb of Hialeah.

Fla., Miami—Chester Florida Land Co. acquired 846 acres surrounding Lake Webster and will develop; dredge shore line of lake; fill in all of low lands.

Fla., Miami—Geo. Tracy interested in development of 40 acre tract.

Fla., Miami—Florida and Cape Cod Realty Co., capital \$200,000, incorporated with Wm. H. Huggins, Pres.; H. O. Robb, Treas.

Fla., Miami—Miami Income Properties Co., capital \$10,000, incorporated with E. G. Sewell, Pres.; L. W. Crow, Sec., Crow Bldg.

Fla., Miami Beach—H. S. Bastian Properties, Inc., 11 Miami Beach First National Bank Bldg., capital \$1,000,000, chartered; H. S. Bastian, Pres.; Ella R. Bastian, Sec.

Fla., Miami—Seaside Land Co., capital \$250,000, incorporated; Clayton S. Cooper, Pres.; C. H. Norris, Sec., 17 N. E. Second Ave., Miami Beach.

Fla., Miami—W. C. Regelin, Investors' Realty Corp., 3158 W. Madison St., Chicago, Ill., acquired 486 acres; will develop.

Fla., Miami—Hialeah Realty Co., capital \$10,000, incorporated; Thos. E. Nunn, Pres.; Alma Burkhardt, Sec.

Fla., Miami—Ocean Heights Land Co., capital \$30,000, incorporated; W. E. Walsh, Pres., 801 Ralston Bldg.

Fla., Miami—Ralston Brothers, 413 Calumet Bldg., will develop 485 acres for subdivision; will install water and power plant; construct roads and streets, etc.

Fla., Miami—Dearborn Realty Corp., capi-

tal \$10,000, incorporated; A. O'Day, Pres.; W. R. Burton, Sec.

Fla., Orlando—W. C. Gardner of Toulisset, Mass., acquired 40-acre grove near Lake Killarny and will develop.

Fla., Orlando—Cooper-Atha-Barr, 112 S. Orange St., is developing Copeland Park; let contract for streets and sidewalks; will install water, sewers, gas, electric, etc.

Fla., Orlando—Jamaico Subdivision Co., capital \$50,000, incorporated; Joe B. Tinker, Pres., 411 Ruth St.

Fla., Palm Beach—Newmar Corp. incorporated with John C. Newington, Pres.; Harry M. Newington, Sec.

Fla., Palm Beach—Onondaga Realty Corp., capital \$50,000, chartered with Earl I. Freshman, Pres.; Harry E. Freshman, Sec.

Fla., Pensacola—George J. Dehn, Pres., Compound Injector and Specialty Co., 419 N. Laramie Ave., Chicago, Ill., acquired site on peninsular in Saint Mary De Galvez Bay and will develop for subdivision, 18-hole golf course and amusement park; will construct streets, install water, electric lights, central radio receiving station, telephone system; build steel pier, swimming pool, etc.

Fla., Pensacola—Judge E. C. Maxwell acquired 240 acres on Escambia Bay.

Fla., Sarasota—Crist-Kennon Development Co., capital \$200,000, incorporated with Wm. T. Kennon, Pres.; G. W. Crist, Jr., Sec.

Fla., Sarasota—C. Pruyn Stringfield, 111 W. Jackson St., Chicago, Ill., will develop 40 acres for subdivision; expend \$12,000 on paving, water works, etc.; Southern Construction Co., Constr. Engr., Sarasota.*

Fla., Sarasota—Dean-Tyler Co., Inc., capital \$200,000, Franklin P. Dean, Pres.; H. W. Souders, Sec., will develop 80 acres for subdivision; install artesian well water, individual septic tank sewer system, pave streets, electric lights, telephone systems, etc.; expend \$100,000; J. W. Crawford has contract for street paving; Cauty & Liddell, Landscape Archts.* (See Machinery Wanted—Water Works; Pipe.)

Fla., Sarasota—Sunset Development Co., capital \$20,000, incorporated with R. F. Dodd, Pres.; George Newman, Sec.

Fla., Sarasota—E. E. Pitman, Logansport, Ind., acquired tract and will develop.

Fla., Sarasota—J. J. Casabona, representing New York syndicate, has secured 100 acres adjoining Avion subdivision; will develop.

Fla., Sarasota—Sarasota Corporate Sales Co., capital \$25,000, incorporated; J. W. Pope, Pres.; Jack Hayes, Sec.

Fla., Sarasota—Thomas, Shine & Stephens, developers of Edgewater, are installing water, sewers, sidewalks, seawall.

Fla., Sarasota—E. H. Price acquired 400 acres on Bay Shore and will develop.

Fla., Sarasota—F. E. Ballentine, Bernardsville, N. J., will develop 120 acres for subdivision; will construct 60 ft. streets, 40 ft. blvd., 50 ft. park; seawall; water; sewers, etc.; Ricketts & Haworth, Engrs.; Skinner Realty Co., Selling Agts.*

Fla., Sarasota—Realty Associates, 162 Remsen St., Brooklyn, New York, parent company of Prudence Bond Co., acquired tract and will develop subdivision.

Fla., St. Augustine—James Realty Co., capital \$230,000, incorporated; J. H. Prentiss, Pres.; D. R. Dunham, Sec., Jefferson Theater Bldg.

Fla., Sebring—City, A. E. Lawrence, Mayor, is developing 90 acres of land west side of Lake Jackson for municipal golf course; recreation park, baseball field and aviation field; estimated cost \$45,000; A. D. Taylor Offices, Landscape Archt., 115 Main St., Orlando; W. H. Simonson, in charge.*

Fla., Sebring—C. C. Townes, Cleveland, Ohio, acquired 700 acres on north shore of

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Lake Jackson and will develop; will probably incorporate company and increase acreage to 2000.

Fla., Seffner—L. M. Hiers acquired 10-acre tract and will develop.

Fla., Seffner—P. T. Delavan will develop subdivision, South Lenna Ave.

Fla., Seffner—E. J. DeVane of Plant City, R. J. Ritter, 804 S. Oregon Ave., Tampa, acquired tract to develop for subdivision.

Fla., South Jacksonville—Howard Properties, Inc., L. W. Howard, Pres., Box 2523 Sta. A., Jacksonville, will develop 75 acres on San Jose Blvd.; construct roads and streets; install water; sewers; telephones; electric lights, etc.; John Clemens, Landscape Archt.*

Fla., St. Augustine—D. R. Dunham, Jefferson Theater Bldg.; George Reddington and Obe P. Goode acquired 100 acres at Fort Moosa Gardens; will develop.

Fla., St. Petersburg—Ingoldsby and McCutcheon Co., 11 Fourth St., S., reported to expend \$25,000,000 extending over period of 5 years for developing holdings, southern waterfront Pinellas County.

Fla., St. Petersburg—Arcadia Addition, capital \$50,000, incorporated; V. C. Almond, Pres., 225 35th St.; C. H. Chapman, Sec.

Fla., St. Petersburg—Fletcher Heights Development Co., capital \$50,000, incorporated; Walter Berford Olson, Pres.; Robert W. Olson, Sec.

Fla., St. Petersburg—Gardenia Estates, capital \$3,000,000, incorporated; Rufus R. Wilson, Pres.; J. G. Young, Sec., 401 Fourth St., S.

Fla., St. Petersburg—Durham-Tropical Land Corp., capital \$500,000, incorporated; J. C. Thomas, Pres.; W. T. Vanderlipp, Sec.

Fla., Tampa—D. T. Keys, Inc., chartered with D. T. Keys, Pres.; Mabel Morton, Sec.

Fla., Tampa—Edwards & Edwards Realty Co. will develop subdivision on Lake Tsala Apopka; E. L. Wynne Realty Co., Tampa, representatives.

Fla., Tampa—Paramount Realty Co., capital \$25,000, incorporated with R. M. Cox, Pres., Marie B. Cox, Sec., 402 S. Melville St.

Fla., Tampa—Jones-Blank Realty Co., Lucas Bldg. will develop subdivision near Tropical Pines.

Fla., Tampa—Florida Landscape Engineering Co., capital \$50,000, incorporated; H. O. Pemberton, Sec., Campbell Bldg.

Fla., Tavares—Tavares Realty Bureau, C. P. Ingalls, Unadilla, N. Y., will develop 40-acre tract near Dead River Bridge.

Fla., Tavares—Hugh B. Lance and C. P. Ingalls acquired and will develop 40-acre tract.

Fla., Tavares—William Bower of Williamsport, Pa., acquired and will develop 35 acres.

Fla., Titusville—Lancelot Jacques, Pres. Peoples Bank of Hagerstown, Md., will soon begin construction of streets and sidewalks at Riverside Park subdivision.

Fla., Vero—Giltogra Realty Co., capital \$50,000, incorporated with Charles D. Toall, Pres.; William Gilmar, Sec.*

Fla., Wauchula—Peace River Realty Co., capital \$10,000, incorporated with H. D. Sauls, Pres.; V. W. Surrency, Sec.

Fla., West Palm Beach—Worth Investment Co., capital \$10,000, incorporated; C. C. Chillingsworth, Pres.

Fla., West Palm Beach—A. T. Herd acquired tract of land extending from Lake Worth to Atlantic Ocean and will develop for subdivision; construct bulkhead and fill; 12-ft. channel; install vehicular ferry; plans also include lagoons surrounded by seawalls and drives, etc.

Fla., West Palm Beach—Mutual Holdings Co., capital \$10,000, incorporated with Jerome E. Wideman, Pres.; R. R. Rhudy, Sec.

Fla., West Palm Beach—Palm Beach Winter Holding Corp., chartered; H. S. Kelsey, Pres.; Pierre L. Willis, Sec.

Fla., West Palm Beach—Barnett Realty Co., capital \$50,000, incorporated; H. M. Barnett, Pres.; Howard G. Rice, Sec.

Fla., West Palm Beach—Okeechobee Land & Investment Co., capital \$100,000, incorporated; Lon A. Hough, Pres.; A. L. Herzogg, Sec.

Fla., Winter Haven—E. B. Warner and J. T. Keefe of Winter Haven Realty Co. will develop subdivision.

Ga., Summerville—A. J. Evans of Fort Valley acquired 240-acre peach orchard.

Ga., Valdosta—Lilly-McKey-Turner Realty Co., capital \$75,000, incorporated; P. R. Lilly, C. B. Turner, R. G. Dickerson.

Ky., Boston—Spooky Co., Hollow Realty Co., capital \$15,000, incorporated; James W. Edwards and Clinton Langley.

Ky., Paducah—Park Realty Co. has engaged Bryant Fleming, Landscape Engr., New York, for development of subdivision.

Ky., Paducah—Consolidated Realty Co., increased capital to \$10,000.

La., Henderson—Henderson Plantation Co. reorganized with J. S. Salsbury, Sec.; operate 9000 acre plantation.

Miss., Carrollton—Carroll Land Co., capital \$40,000, incorporated by J. H. Hobson, Hattiesburg; L. B. Bays, Houston, and others.

Miss., Richton—Richton Investment Co., capital \$50,000, incorporated by Dr. J. E. Green, B. M. Stevens and others; have acquired and will develop 15,000 acres.

Miss., Richton—J. P. Griffin, Ellisville, acquired tract and will develop for pecan grove.

Mo., Cape Girardeau—Ancient Free and Accepted Masons of Kansas City have acquired 130-acre site and will develop; golf links, tennis courts, docks and bathhouse, etc.

Mo., Kansas City—Virginia Hills Land Co., incorporated; Harry B. McMillen, 203 McMillen St.

Mo., St. Louis—Munger's Real Estate Co., capital \$30,000, incorporated by James L. Munger, 5638 Kingsbury; Geo. E. Munger, Chicago, Ill.

N. C., Asheville—Dr. E. E. Reed of Kenilworth and associates have acquired 105 acres on Asheville-Black Mountain Highway and will develop; construct lake of 15 acres; build roads and streets, install water, sewers, electric lights, etc.

N. C., Charlotte—Cedar Grove Cemetery Co. will develop 17 acres.

N. C., Charlotte—Biddle Development Co., chartered by T. T. Cole, 324 N. Tryon St.; K. P. Lyone, Wadesboro, will develop 77 acres for subdivision; will install streets, etc.

N. C., High Point—Carolina Homes, Inc., chartered by R. M. Tudor, J. Allen Austin.

N. C., High Point—High Point Realty Co., capital \$100,000, incorporated; O. G. Allen, R. R. Ragan.

N. C., Kenilworth—Kenilworth Development Co. let contract to Robert C. Stevens for dam in subdivision.

N. C., Rocky Mount—Susan D. Williams Co., capital \$50,000, incorporated; Susan D. Williams, J. M. Alexander.

Okla., Drumright—Creek Realty Co., capital \$25,000, incorporated; John W. Briggs, Aron Drumright.

Okla., Tulsa—Vernon Day of Tourist Park Committee will develop tourist park in Howard Park.

S. C., Aiken—Aiken Realty Co. increased capital, \$60,000 to \$100,000.

Tenn., Chattanooga—Mark K. Wilson acquired and will develop 14 acres.

Tenn., Chattanooga—Douglas Heights Co., capital \$100,000, incorporated; E. F. Hubble and D. W. Evans.

Tenn., Chattanooga—E. F. Hubble, 108 E. Seventh St., and associates will expend \$100,000 on improvements to subdivision; construct streets and sidewalks, install sewers, water, electric lights, etc.

Tenn., Chattanooga—Adolph S. Ochs, 212 High St., will establish series of terraced parks on side of Lookout Mountain.

Tenn., Chattanooga—Pallisades Development Co., incorporated by Harvey Wilson, Brosis Brantley and others; to develop 800 acres on Signal Mountain.

Tenn., Harriman—Harriman Orchard Co. increased capital from \$30,000 to \$75,000.

Tex., Alvarado—E. L. Shelton acquired 215 acres in Hamilton county.

Tex., Dallas—P. B. Arrington, Wilson Bldg., and H. A. Coomer acquired 130 acres and will develop for subdivision; install water, construct streets, etc.

Tex., Dallas—City Development Co. incorporated by W. R. Everett, Hill Crest St.; Porter Lindley.

Tex., Mineral Wells—Paul Wood interested in development of pecan orchard.

Va., Norfolk—Nocam Corporation, capital \$15,000, chartered; Pierre Schmitz, Sec., West End Apt.

Va., Richmond—Riverside Club interested in construction of golf course near Riverside Drive and Westover Hills; W. C. Skelly of Hemitage Country Club, Hilliard Rd., interested.

Va., Roanoke—Florida Land Corp., incorporated; W. O. Trenor, Pres.; A. D. Walton, Sec., Walnut Ave., S. E.

W. Va., Charleston—City Mayor Wertz, interested in development of municipal park.

W. Va., Wheeling—C. C. Pugh of Conrad and Pugh, National Bank of W. Va. Bldg., have completed plans for building lake at Whitmar Hill subdivision; will build swimming pool, etc.

W. Va., Welch—Welch Development Co., Sam Polon, Pres., acquired holdings of Jaeger Development Co.

Lumber Enterprises

Ala., Andalusia—R. E. and C. Lumber Co., incorporated; Allen Crenshaw, Margaret C. Kelly.

Ala., Birmingham—Dilworth Lumber & Supply Co., incorporated; A. W. Dilworth, 1013 Weaver St., H. D. Kenny.

Ala., Birmingham—The Tallapoosa Lumber Co., capital \$10,000, incorporated by J. M. Stevenson, John F. Stevenson.

Arkansas—The Phipps Lumber Co., Fayetteville, reported to erect sawmill in Johnson County; has timber tract in Franklin, Madison and Johnson Counties; will also build approximately 15 mi. road.

Ark., Blytheville—The Chicago Mill & Lumber Co., 500 N. Dearborn St., Chicago, Ill., reported to have purchased plants, properties, etc., of the Paepske-Leicht Lumber Co.; Walter Paepske will remain president.

Ark., Pine Bluff—Pine Bluff Lumber Co., 2400 W. Second St., has plans for construction of \$15,000 dry steam kiln; equipment ordered.

Florida—N. D. Suttles & Co., 223 Clematis Ave., West Palm Beach, reported to have purchased island of St. James, containing 34,000 acres in Franklin County; purchase includes timber, turpentine interests, buildings, etc.

Fla., Miami—Drake Lumber Co., Louis Hector, Gen. Mgr., 601 N. Miami Ave., reported to expend \$500,000 on plant with trackage facilities, Eighteenth St. and N. Miami Ave., treble capacity of present yard, also install complete millwork plant.

Fla., Okeechobee—W. L. Gibson, Crisfield, Md., and associates reported to have purchased 20,000 acres timber land; timber has

been contracted to the Sherman Lumber Co., build sawmill for development.

Fla., St. Augustine—W. E. Montgomery Lumber Co., capital \$10,000, incorporated; W. E. Montgomery, Pres.; Clarence E. Duncan, Sec.

Fla., Vero—Vero Planing Mill Co., capital \$50,000, incorporated with John H. Crosby, Pres.; August Eckhoff, Sec.

Ga., Augusta—J. W. Hancock, Forest expert of the Southern Ry., interested in reforestation of several thousand acres of land between Augusta and Charleston.

Ga., Macon—Sam's Lumber Co. incorporated; S. E. Patton and T. E. Patton.

La., Opelousas—Thistlewaite Lumber Co. has contract for reforestation of 11,300 acres cut over hardwood land, under supervision of the State Department of Conservation.

Mo., Kansas City—Sowers-Taylor Co., 1817 Campbell St., incorporated by John H. Taylor, Claude E. Sowers.

Mo., Kansas City—National Lumber & Creosoting Co., 312 Railway Exchange Bldg., J. T. Logan, Pres., acquired additional land adjoining plant for yard expansion; will lay tracks, etc.

Mo., Springfield—L. W. Houk Lumber Co., capital \$25,000, incorporated; Lee Patterson, Woodruff Bldg.

N. C., Asheville—Paul H. Gearhart, Inc., capital \$25,000, chartered by Paul H. Gearhart, Lucius F. Pratt and Kingsland Van Winkle, Legal Bldg.

N. C., Durham—City Lumber Co., Milton Ave., will expend approximately \$80,000 on improvements, including new finishing mill, storage plant, two dry kilns and office building; brick.

Mo., Spickard—Young Lumber Co., capital \$25,000, incorporated; Noble Young, Frank Lowry.

Mo., St. Louis—Missouri Lumber Co. incorporated; Robert Burkman, 5035 Westminster St.; James E. Garstang.

Okla., Erick—Hood-Allen Lumber Co., capital \$10,000, incorporated by W. B. Allen, W. O. Hood.

Tex., Bernard—Farmers Lumber Co., capital \$15,000, incorporated by R. B. Boettcher, W. C. Buis.

Tex., Dallas—Marsalis Lumber Co., Inc., 1021 N. Marsalis St., increased capital, \$20,000 to \$50,000.

Tex., Houston—W. T. Carter Lumber & Building Co., 1201 Capitol St., increased capital from \$1,000,000 to \$2,000,000.

Tex., Liberty—Liberty Lumber Co., capital \$15,000, incorporated; J. T. Adams, S. F. Calvin.

Tex., San Antonio—Karren-Tobias Lumber Co., capital \$40,000, incorporated by L. S. Karren, I. Tobias, 329 W. Park Ave.

Va., Bristol—Dominion Lumber & Supply Co., J. F. McCrary, Pres., changed name from Dominion Handle & Supply Co.

Va., Roanoke—Roanoke Tie & Lumber Co., Inc., changed name from Roanoke Valley Tie and Lumber Co., H. B. Mercereau, Pres., Walnut Ave., S. E.

•Mining

Ala., Birmingham—Alabama Manganese Co., incorporated; W. L. Smith, Lincoln Life Bldg., J. F. Stallings.

Ark., Zinc—Bill Timbrook and Bob Lawhan have leased the Minnie Lee property, will develop.

Ga., Cartersville—Col. Edw. Doty, Birmingham, Ala., and associates, purchased three manganese ore mines, will develop.

Missouri—R. A. Hartley of Kansas City, Mo., reported to have acquired 200 ton mill and 80 acre lease known as the Richardson Mining Co. and will develop.

Mo., Kansas City—Standard Rock Asphalt

Co., capital \$50,000, incorporated by A. H. O'Conner, 3525 Main St., H. H. Murlin.

Mo., St. Louis—West St. Louis Quarry Co., incorporated; Roy J. Blackburn, 7308 Lyndover Place; D. M. Hollingsworth, 4203 Cleveland St.

Okla., Douthat—Liza Jane Mining Co. acquired Sinden lead and zinc ore mill, will construct new mill.

Okla., Hockerville—Big Elk Co., J. T. Whaley, Pres., Miami, will rebuild lead and zinc mill, burned at loss of \$75,000.

Tex., Smithville—Colorado Sand & Gravel Co., organized with Charles Eichenbaum, Pres., leased large acreage, build spur track from plant to railroad, install equipment, etc.*

Miscellaneous Construction

Fla., Daytona—See Land Development.

Fla., Jacksonville—Dock—E. M. LeGate of the Jacksonville Sand Co., reported to have begun construction of new dock and several warehouses, foot of Main St., dock to be 380 ft. long and of variable width, and a total available warehouse space of approximately 42,400 sq. ft.

Fla., Miami—See Land Development.

Fla., Palm Beach—Seawall—Boynton Finance Co. let contract to D. E. O'Hara, Palm Beach, at \$30,000 for concrete seawall and hydraulic fill, south end of Lake Worth.

Fla., Pensacola—Swimming Pool—See Land Development.

Fla., Sanford—Bulkhead—City contemplates completing Lake Monroe bulkhead, erect municipal broadcasting station, etc. Address City Clerk.

Fla., Sarasota—Seawall—See Land Development.

Fla., West Palm Beach—Bulkhead—See Land Development.

La., Shreveport—Channel—Caddo Parish Levee Board let contract to Douglas, Buchanan & Crow, Merchants Bldg., at \$30,000 for 4 1/2-mi. channel connecting Case Point Canal and Dough Slough.

Miss., Vicksburg—Fill—See Bridges. Culverts, Viaducts.

N. C., Asheville—Dam—See Land Development.

N. C., Asheville—Tunnel—Robert S. Brown, of the Brown Realty Co., 1 N. E. Pack Square, and associates interested in constructing tunnel through Beaucatcher Mountain.

N. C., Kenilworth—Dam—See Land Development.

Okla., Dewey—H. F. Tyler, Pres., Dewey Kiwanis Club and associates, interested in reclamation 40,000 acres, plans call for straightening of Caney River bed, 3 mi. between Dewey and Bartlesville.

Tenn., Chattanooga—Tunnel—E. G. Murrell, Hamilton County Engr., completed survey of proposed tunnel through Missionary Ridge; estimates call for tube 30-ft. wide 1300 ft. long, cost \$468,000; construction of stone portals or entries, \$15,000; approach roads \$25,000; grading approaches \$25,000; sewage and drainage \$4,000; test holes \$5,000; right of ways \$25,000; engineering \$28,000.*

Tex., Galveston—Jetty—Major J. L. Schley, U. S. District Engr., received low bid from Scott & Brass, of New Orleans, La., for repairs to the North Jetty.*

Tex., Plainview—Farmers Elevator Co., S. G. Cox, Mgr., will soon let contract to rebuild elevator, capacity 30,000 bu.

Va., Norfolk—Terminals—Pennsylvania R. R. System granted permission by the Interstate Commerce Comsn. to construct Little Creek Terminal.*

W. Va., Wheeling—Swimming Pool—See Land Development.

Miscellaneous Enterprises

Ala., Birmingham—Fairfield Building Co.,

incorporated; Frank Wending, S. W. Wallace, 4209 Tenth Ave.

Ala., Birmingham—The Flowers Bicycle Co., Inc., capital \$15,000, incorporated by S. Henderson, Farley Bldg.

Ala., Birmingham—Clock Service Co., incorporated; W. D. Sims, 1100 Eighth Ave., N., C. C. Ball.

Ala., Birmingham—Alabama Building Supply & Manufacturing Co., capital \$120,000, incorporated; N. Brauerman, Harry Kettleman.

Ala., Birmingham—Savage Daniel Supply Co., Inc., chartered; E. Daniel, 1624 Third Ave., N., F. M. Savage.

Ala., Birmingham—Dixie Paint & Glass Co., capital \$15,000, incorporated by C. R. Barratt, L. G. Baumhauser.

Ala., Birmingham—Security Furniture Co., capital \$10,000, incorporated; E. P. Harris, Lyric Bldg.

Ala., Birmingham—Southern Bearings & Parts Co., 303 S. 20th St., increased capital, \$15,000 to \$35,000; changed name from Southern Bearings Co.

Ala., Birmingham—The Jo-Pe-Nut Products Co., 2328 Third Ave., N., increased capital to \$12,500.

Ala., Birmingham—Lewis Ideal Baker, Inc., capital \$15,000, incorporated; G. J. Lewis, 209 44th St.

Ala., Calera—Turner-Taylor Construction Co., incorporated by J. B. Turner, W. A. Taylor, Calvin Weldon.

Ala., Mobile—Heiter-Marx Printing Co., Wm. Helter, Pres., 73 St. Michael St., changed name from the Delchamps-Heiter Printing Co.

Ala., Mobile—Jason Malbis, Propr. of the Metropolitan Restaurant, 102 St. Francis St., has acquired the Yuille Bakery on Government St., will remodel and operate.

Ala., Mobile—Ryan Stevedoring Co., Inc., capital \$15,000, chartered by John B. Waterman, John P. Ryan, 7 Bienville Ave.

Ala., Union Springs—Birmingham & Southeastern R. R. Co., capital \$300,000, incorporated; Winton M. Blount, Edgar J. Pierce.

Ark., Siloam Springs—Siloam Springs Flora' Co., organized; Mrs. Geo. Thuman and Mrs. Roy Shannon; let contract for green house.

D. C., Washington—Cafritz Construction Co., capital \$500,000, Morris Cafritz, Harry I. Carroll, 150 R. I. Ave., N. W.

D. C., Washington—National Amusement Co., Inc., 1 Thomas Circle, N. W., chartered by Meyer Davis, Joseph E. Casey, Wm. E. Cumberland.

D. C., Washington—De Sibour Construction Co., incorporated by Henri L. J. De Sibour, Charles P. Stone, Jr., 1342 New York Ave., N. W.

D. C., Washington—Corby Baking Co., 2301 Georgia Ave., N. W., reported to have been purchased by Continental Baking Co., New York City.

D. C., Washington—The Nuautolife Co., Inc., capital \$100,000, chartered; G. J. McCarthy, Geo. W. Ward, Investment Bldg.

Fla., Bartow—Orangeland Paint & Supply Co., capital \$25,000, incorporated; J. E. Fortner, Pres.; G. Edwin Walker, Sec.

Fla., Bradenton—Thompson & Co., C. W. Sanderson, V.-P., advises: "Company does not contemplate establishing factory in Bradenton now or at any time in the future."*

Fla., Cocoa—Trafford & Field, Inc., capital \$50,000, chartered with A. R. Trafford, Pres.; Russell A. Field, Sec.

Fla., Fort Lauderdale—City will vote Feb. 21 on \$15,000 bonds for equipment for south side fire station. Address City Clerk.*

Fla., Fort Lauderdale—Bryan & Halloway Construction Co., Inc., capital \$60,000, chartered; Forum Bryan, Pres.; Perry N. Bryan, Sec.

Fla., Jacksonville—Phillips Ice Cream Co.,

capital \$75,000, incorporated; Philip B. Vaisillon, Pres.; Geo. H. Caramonos, Sec.

Fla., Jacksonville—L.E. Company, capital \$10,000, incorporated; William Lorrimer, Pres.; K. J. Eisenhardt, Sec.

Fla., Jacksonville—The Tamiami Corp., capital \$800,000, chartered; Harry Goldstine, Pres.; Ernest H. Lyons, Sec.

Fla., Jacksonville—San Jose Corp., capital \$100,000, chartered with Norman C. Edwards, Pres.; Robert I. Wall, Sec., 22 Laura St.

Fla., Jacksonville—National Bulb Co., capital \$15,000, incorporated with C. O. Sterling, Pres.; Wm. Roberts, Sec.

Fla., Jacksonville—Ormond Water Front, Inc., capital \$300,000, chartered; A. P. Anthony, Pres., 1609 Oak St.; N. D. Shuttles, Sec.

Fla., Miami—The Dupree Co., Inc., capital \$50,000, chartered; Dwight O. Nay, Pres., 302 N. E. 22nd St.

Fla., Miami—Edward Hotel Co., Inc., capital \$10,000, chartered; Wm. M. Wilson, Pres.; Zora Norman, Sec.

Fla., Miami—A. Louis & Co., Inc., capital \$10,000, chartered; A. Louis, Pres., 158 W. Flagler St.

Fla., Miami—The Gar-Ans Co., Inc., capital \$10,000, incorporated; C. N. Payne, Pres.; 228 N. W. Tenth Ave.

Fla., Miami—Stavinell Dredging Co., capital \$25,000, incorporated; E. Clyde Vining, Sec., 220 S. W. First St.

Fla., Miami—East Coast Wholesale Corp., capital \$150,000, chartered; Louis Wolfson, Pres.; Mitchell Wolfson, Sec., both 239 N. E. 14th St.

Fla., Miami—Florida Ditching Co., capital \$50,000, incorporated; F. L. Osborne, Sec., 210 S. W. Tenth Ave.

Fla., Miami—Parker Nyer & Tracy Co., capital \$60,000, incorporated; E. W. Bebinger, Pres., 326 N. E. 26th St. Terrace.

Fla., Miami—Leon H. Watson, Inc., capital \$100,000, chartered; Leon H. Watson, Pres., Professional Bldg.; H. J. Byrne, Sec.

Fla., Miami—Buena Vista Co., capital \$15,000, incorporated; Mary M. Montgomery, Sec., 1703 N. W. Fifth St.

Fla., Miami—Gra-Rock Water Co., capital \$200,000, incorporated; Clifton R. Hill; Pres.; W. B. Dixon, Sec.

Fla., Miami—El-Kumita Co., capital \$25,000, chartered with J. Ralph Tatam, Pres., 304 N. E. 20th St.; W. Theron Miller, Sec.

Fla., Miami—Miami Construction Co., capital \$25,000, incorporated with Don C. Kemerer, Pres.; L. M. Kemerer.

Fla., Miami—The Central Press, Inc., capital \$25,000, chartered with E. A. Johnson, Pres.; H. Lee Nowlin, Sec., 33 N. E. First St.

Fla., Miami—Bay Shore Operating Co., capital \$500,000, incorporated by T. W. Palmer, 314 N. E. First St.; W. R. Lynch, D. R. Millard.

Fla., Ocala—The Avalon Hotel Co., capital \$50,000, incorporated with R. T. Adams, Pres., L. R. Bracken, Sec.

Fla., Orlando—Florida Photographic Flyers, Inc., chartered with Thomas R. Barr, Jr., Pres.; John G. Baker, Sec.

Fla., Orlando—The Florida Factors, capital \$10,000, incorporated; S. Lee Philips, Pres.; R. I. Johns, Sec.

Fla., Palm Beach—Carl W. Winkler, Inc., capital \$100,000, chartered with Carl W. Winkler, Pres.; Juanita Hough, Sec.-Treas.

Fla., Sarasota—The Calmas Co., capital \$10,000, incorporated; C. N. Payne, Pres.; Christy Payne, Sec.

Fla., Sarasota—M. F. Schiavone, Inc., capital \$100,000, chartered; M. F. Schiavone, Pres.; Isadore Becker, Sec.

Fla., St. Petersburg—Pinellas Wholesale

Drug Co., Inc., capital \$75,000, chartered; Geo. A. Woolfall, Pres.; H. J. Biernacki, Sec.

Fla., St. Petersburg—H. C. Thompson Co., Inc., capital \$25,000, chartered; H. C. Thompson, Pres., Disston Ave., N.

Fla., Tampa—Coastal Construction Co., incorporated; R. P. Durham, Pres.; A. E. Putnam, Sec.

Fla., Tampa—Grant-Hershey Co., capital \$25,000, incorporated; R. M. Leonard, Pres.; R. S. Hosford, Sec.

Fla., Tampa—Island Construction Co., capital \$100,000, incorporated; James N. Wright, Pres.; A. Y. Milan, Sec.

Fla., Wauchula—J. W. Earnest & Co., capital \$50,000, incorporated; J. W. Earnest, Pres.; L. Earnest, Sec.

Fla., West Palm Beach—Palm Beach Advertising Corp., chartered; Harold Helveston, Pres.; Joseph H. Berdel, Sec.

Fla., West Palm Beach—Binlon & Brown, Inc., capital \$50,000, chartered; D. G. Binlon, Pres.; Frank H. Brown, Sec.

Fla., West Palm Beach—Radcliff & Mitchell, Inc., capital \$25,000, chartered; F. G. Mitchell, Pres.; B. R. Radcliffe, Sec.

Fla., West Palm Beach—Florida-Boston Co., capital \$50,000, incorporated with Frank R. Halloran, Pres.; Wm. E. Cooper, Treas.

Fla., West Palm Beach—Jeanette Gals, Inc., capital \$50,000 chartered with Jeanette Gals, Pres.; Irene Odmann, Sec.

Fla., West Palm Beach—Edward D. Hilker, Inc., capital \$25,000 chartered with Edward C. Hilker, Pres.; W. D. Sullivan, Sec.

Fla., Winter Haven—Sinclair Hardware & Furniture Co., capital \$50,000, incorporated with H. W. Fraser, Pres.; L. C. Sinclair, Sec.-Treas., and Mgr.

Ga., Augusta—Harper C. Bryson, 1601 Walton Way, and J. E. Jones have purchased plant of the Try-Ne Bottling Co., at 13th and Nelson Sts., will operate.

Ga., Columbus—Columbus & Gulf Navigation Co., capital \$50,000, incorporated; J. E. Humes, 1818 Wynnton Drive.

Ga., Valdosta—The Union Bus Co., capital \$12,000, incorporated; J. Y. Roberts, A. Winn.

Ga., Valdosta—The Model Bakery Co., capital \$15,000, incorporated by O. D. Dalton, P. W. Robertson.

Ga., Valdosta—The Georgia-Florida Co., Inc., capital \$40,000, chartered; B. B. Saunders, W. E. French.

Ky., Ashland—Peebles Meehan Co., capital \$100,000, incorporated; R. R. Peebles, J. L. Nelson.

Ky., Ewing—Ewing Consolidated School Improvement Co., capital \$20,000, incorporated; C. M. Morford, A. P. Plummer.

Ky., Louisville—Radiator Covers—Schmultz Hinkebein Co., 1204 W. Main Ct., increased capital, \$10,000 to \$75,000.

Ky., Louisville—Pork Packers—Louis P. Bornwasser Co., 921 Geiger St., increased capital, \$100,000 to \$150,000.

Ky., Louisville—Engraving—Bush-Krebs Co., 408 W. Main St., increased capital, \$50,000 to \$200,000.

Ky., Louisville—Linker Cigar Co., 113 6th St., capital \$75,000, incorporated; Barnett Linker, Sidney Grossman.

Ky., Louisville—Fred Levy, Pres. of the Big Feature Rights Corp., 221 Third St., will erect \$60,000 building on Jefferson St., between 9th and 10th Sts., will be occupied by the Big Feature Rights Corp., The First National Exchange and the Educational Film Exchange.

Ky., Russellville—The Knob City Creamery, organized; Bernard Edwards, Pres.; W. H. Guion, Sec.

La., Arcadia—Baker Grocery Co., Inc., capital \$50,000, chartered; J. W. Baker, Pres.; E. A. Hightower, Sec.

La., Coushatta—J. J. Johnson will estab-

lish bakery in Esterly building on Clark St.

La., Shreveport—The Journal Publishing Co., Douglas Attaway, Pres., Marshall St., publisher of the Shreveport Journal, let contract to McConnell & McConnell, Shreveport, to remodel the Travis St. school building into modern newspaper and commercial printing plant; other awards include, to the Watson Electric Co., 202 Texas St., for electric work; to the Fitzgerald Plumbing Co., 941 Louisiana Ave., for plumbing; Automatic Sprinkler Co., 123 William St., N. Y., for sprinkler system; Clarence Alschner, Archts., Ardis Bldg.; total cost of site, building and equipment approximately \$207,500.

Md., Baltimore—Western Maryland Dairy, A. B. Gardiner, Pres.-Mgr., Linden Ave. and Dolphin St., will erect new milk delivery station, 3501 Philadelphia Rd.; daily capacity 5000 gals.; building to cost approximately \$75,000; equipment \$10,000; Jos. Evans Sperry, Archt., Calvert Bldg.*

Md., Baltimore—United Window Shade Cleaning Co., 100 S. Washington St., organized with James W. Derrick, Pres.; has building; will install equipment, including mangle, stitching machines, motors, etc., to clean window shades. (See Machinery Wanted—Motors; Machines (Stitching), etc.)*

Md., Upper Marlboro—The Enquirer-Gazette, formed by consolidation of Prince George Enquirer and Marlboro Gazette.

Miss., Hattiesburg—Dixie Mattress & Furniture Co., L. A. Conally, Sec., increased capital \$20,000 to \$50,000; changed name from Dixie Mattress Co.*

Miss., Hattiesburg—Gulf States Creosoting Co., increased capital, \$1,250,000 to \$1,500,000.

Miss., Jackson—Better Printing Co., Inc., chartered by R. B. Gunter, G. Janes, 1300 N. Congress St.

Miss., Starkville—The Borden Co., J. D. Waters, 510 N. Dearborn St., Chicago, advises: "Have practically decided to locate plant at Starkville, but will be some time before actual work will begin. We have our own construction engineers and foreman, so that there will be no contract work, all plants are built standard from our own plans and specifications."*

Miss., Vicksburg—Prince & Wilds, Inc., capital \$25,000, chartered by George Prince, 816 Bowman St.; Neal Higgins, L. R. Harris.

Mo., Kansas City—Geo. A. Breon & Co., Coca Cola Bldg., Geo. A. Breon, will expend about \$200,000 on plant to be erected on Grand Ave. near McGee St., 3-story, 71x31-ft., concrete frame, may later increase to 10 stories; Archer & Gloyd, Archts., 916 A. & R. Bldg.

Miss., Vicksburg—Electrolock Manufacturing Co., 1519 Washington St., increased capital, \$50,000 to \$125,000.

Mo., Kansas City—American Hotel & Catering Co. incorporated by A. H. Mack, 11 E. Twenty-fourth St.; M. D. Waltner.

Mo., Kansas City—Iodum-Miller Co., Inc., capital \$150,000, chartered by I. N. Miller, 533 Ridge Blvd.; C. E. Miller and Paul Parker.

Mo., Kansas City—Melotte Separator Co., incorporated by Harry B. Babson, Pres.; Gustavus Babson, Sec.

Mo., Kansas City—Midwest Film Distributors, Inc., capital \$50,000, chartered by E. C. Rhoden, 5911 Cherry St.; Alton Gumbiner, Gloyd Bldg.

Mo., Kansas City—Fairlyland Park Amusement Co., incorporated; W. L. Hutchison, 1319 East 28th St.; C. C. Pickerd.

Mo., Kansas City—The Kansas City Assn. for the Blind., 1432 Parboe St., has acquired building corner 20th St. and Madison Ave., 2-story, 126x132-ft., use for broom factory.

Mo., Kansas City—Publishing—The Western Golfer, Inc., capital \$12,000, chartered by Avis Alexander, P. H. Anthony, 1108 Waldheim Bldg.

Mo., Osceola—Tegarden-Hull Furniture & Undertaking Co., incorporated; O. G. Tegarden, O. S. Hull.

Mo., Perryville—City Council let contract to General Manufacturing Co., 1801 Pine St., St. Louis, for fire fighting equipment, 1½-ton truck with pumping capacity 350 gpm.

Mo., St. Louis—The Craft & Stationery Shop, incorporated; Flora E. Henke, 2210 Howard St., Edward Kooreman.

Mo., St. Louis—The Puritan Laundry Co., incorporated; Chas. J. Baker, 5346 Quincey St.

Mo., St. Louis—Meyer-Blanke Co., 422 N. Third St., Robert L. Blanke, Pres., capital \$300,000, organized by the consolidation of the Meyer Dairy Equipment Co. and Blanke Manufacturing Supply Co.; will retain offices at Dallas, Texas, and Birmingham, Ala.

Mo., St. Louis—The Yard-O-Meter Corp., 325 Locust St., acquired building, 13th and Monroe St., manufacture cloth measuring and computing device.

Mo., St. Louis—Sansco Manufacturing & Mercantile Co., capital \$100,000, incorporated by Louis P. Scoville, 4442 Olive St.; Raymond E. Scoville, 5849 Etré St.

Mo., St. Louis—Les Quatre Saisons, Inc., chartered by Susanna N. Stribling, Jane G. Turner and others; manufacture wearing apparel, etc.

Mo., St. Louis—State Drug Co., capital \$100,000, incorporated by G. A. Gantz, 5882 Page St.; W. M. Hangen, Arcade Bldg.

Mo., St. Louis—St. Louis Recreation Co. incorporated by Allen C. Orrick, Security Bldg.; Harry W. Kroeger.

Mo., St. Louis—Connery Advertising Co., Arcade Bldg., organized by J. J. Connery, Jr.

Mo., St. Louis—The Presttite Engineering Co., organized by W. C. Ferguson and others, has acquired plant at 4327 Duncan Ave., 50x150 ft.; installing machinery for the manufacture of a flexible asphalt joint for sewer pipe, etc.

Mo., St. Louis—Eskimo Refrigerator Co., 927 N. Ninth St., has leased building having approximately 5000 sq. ft. floor space, for display and salesroom.

Mo., St. Louis—Sterling Manufacturing Co., incorporated by John V. Doud, Marshall E. Schramm and others.

Mo., St. Louis—New West End Hotel Co., capital \$100,000, incorporated by Hugh McFarland, Robert Robinson, East St. Louis, Ill.

N. C., Arden—Hilford Printing & Publishing Co., capital \$180,000, incorporated by Marion R. Hilford, Naples; H. C. Jarvis, 37 Monroe Place, and J. E. Clements, both Asheville.

N. C., Asheville—Engineering—Wythe M. Peyton Co., Inc., capital \$50,000, chartered; Wythe M. Peyton, James E. Rector, Technical Bldg.

N. C., Asheville—Building Supplies—Rutherford & Atkinson, Inc., 17 Government St., capital \$150,000, chartered by J. W. Rutherford, E. N. Atkinson.

N. C., Chadbourn—Trucker Publishing Co., capital \$10,000, incorporated; J. H. Land, A. W. Lewis.

N. C., Charlotte—Standard Shoe Co., capital \$50,000, incorporated by T. T. Lucas, 1607 Elizabeth St., Charlotte; F. N. Littlejohn of Pacolet, S. C.

N. C., Charlotte—W. T. Branson, Inc., capital \$100,000, chartered by W. T. Branson, 1209 N. Cecil St.

N. C., Durham—W. J. McMurray, New York, reported erect building on Main St.;

install equipment for newspaper to be known as The Durham Sun.

N. C., Gastonia—Hally Marble & Granite Co., capital \$25,000, incorporated by L. C. Hall, W. B. Hall.

N. C., Charlotte—The Charlotte Marble & Granite Works, 609 W. Seventh St., has under construction plant addition, giving total floor space 18,000 ft., will install cranes, build spur track, etc.

N. C., Naples—Hilford Printing & Publishing Co., capital \$180,000, incorporated; Marion H. Hilford, Naples; H. C. Jarvis, 37 Monroe Place, and J. E. Clements, both Asheville; will erect building, install engraving plant, color press, etc., publish calendars.

N. C., Raleigh—State Electric Co., capital \$50,000, incorporated; E. W. Moore, C. E. Stanley, Jr.

N. C., Raleigh—Grocers' Electric Maid Bakery, 103 Fayetteville St., capital \$25,000, incorporated; S. C. Murphey, J. LeRoy Allen.

N. C., Raleigh—Wheatley & Reade, Inc., 122 Market St., increased capital from \$25,000 to \$100,000.

N. C., Sanford—The Scott Hospital, Inc., capital \$50,000, chartered; Chas. L. Scott, D. E. McIver.

N. C., Shelby—Z. B. Weathers & Sons, Inc., capital \$50,000, chartered; Z. B. Weathers, M. R. Weathers.

N. C., Taylorsville—Alexander Hardware Co., increased capital, \$10,000 to \$50,000.

N. C., Thomasville—Thomasville Chemical Co., capital \$25,000, incorporated by A. G. Russell, R. G. Jennings and W. S. Wilson.

N. C., Winston-Salem—Hugh Richter, representing the Delatour Beverage Corp. of Long Island City, New York, reported having plans to establish distributing depot; have under construction plant at Waynesboro, Va., with annual capacity of 400,000 cases, which will be supply station for southern territory.

Okla., Enid—W. C. Van Buskirk Machinery & Trading Co. incorporated by W. G. Van Buskirk and P. Van Buskirk, both Enid; H. M. Van Buskirk, Stillwater.

Okla., Oklahoma City—Capital Potato Chip Co. incorporated by Frank Harrah, 701 W. 20th St.; Lee T. Wynn and others.

Okla., Tulsa—Barnes Manley Wet Wash Laundry Co., 544 S. Victor St., organized with W. O. Manley, Pres.-Mgr.; let contract to D. A. Burton Construction Co., 544 S. Victor St., for improvements to plant; equipment purchased from the Yates Laundry Machine Co., 1210 W. Ninth St., Kansas City, Mo.; Wayne Tank & Pump Co., 1828 Grand Ave., Kansas City, Mo.; International Supply Co., 301 E. First St., Tulsa; Gorman Supply Co., Kansas City, Mo.*

Okla., Woodward—B. and M. Transit Co. will establish bus line between Oklahoma City to Woodward.

S. C., Florence—American Bakeries Co., H. S. Collins, Mgr. let contract to J. M. Lawton, Florence, for \$20,000 addition, double capacity.

S. C., Greenville—W. M. Thompson, Inc., 453 S. Main St., capital \$100,000, chartered by W. M. Thompson, J. L. Marchant.

S. C., York—Cherriwine Bottling Works, incorporated; J. W. Parsons, Pres.; A. W. Parsons, Sec.

Tenn., Erwin—The Magnet Inc., capital \$15,000, chartered by J. F. Toney, Frank E. Broules, W. M. Buckner.

Tenn., Knoxville—North Knoxville Sanitary Market, capital \$25,000, incorporated by Geo. W. Trammell, 2123 Linden Ave.

Tenn., Springfield—McMurray Tobacco Co., capital \$15,000, incorporated by Wm. McMurray, Louis W. Morrison, Harris Davis.

Tenn., Tyner—Oakwood Farm & Dairy Co., capital \$25,000, incorporated by C. E. Clift, L. F. Wilkerson, John B. Hyde.

Tenn., Union City—The Canvas Decoy Co., increased capital, \$150,000 to \$250,000.

Tex., Abilene—Cecil-Collier Co., capital \$20,000, incorporated by W. C. Collier, C. W. Cecil.

Tex., Brownsville—McNair Clothing Manufacturing Co. incorporated by M. P. McNair, Z. A. Rosenthal.

Tex., Dallas—Ford Johnston Wall Paper & Paint Co., capital \$75,000, incorporated; B. F. Johnston, 503 N. Windomere St., H. E. Spafford.

Tex., Fort Worth—Fort Worth Triple XXX Root Beer Co., incorporated; C. E. Moore, C. A. Vedder.

Tex., Houston—The Saxet Co. increased capital from \$75,000 to \$150,000.

Tex., Houston—Sealy Mattress Co., capital \$100,000, incorporated by E. E. Edwards, J. J. Rogers, 320 W. 16th St.

Tex., Houston—Fire Fighting Equipment—Pert Comsn. has \$300,000 available for fire boat for the port of Houston; will soon invite bids; have plans by Cox & Stevens, 25 Broadway, New York.

Tex., Houston—R. S. Sterling, Chmn. Board of Directors of the Houston Printing Co., publishers of The Houston Post-Dispatch, will increase height of building from 16 to 22 stories; lately noted let contract to Don Hall, Carter Bldg.*

Tex., Kerrville—Sunshine Laundry Co., capital \$24,000, incorporated by T. G. Harrison, Geo. M. Fox, H. M. Harrison.

Tex., Kerens—Spurger-Speed Hardware Co., capital \$20,000, incorporated by J. C. Spurger, M. L. Speed.

Tex., Lubbock—Martin Baking Co., R. H. Martin, Propr., E. Broadway, will erect \$20,000 bakery, 75x104 ft., brick and concrete, wood floors, composition roof; plans not completed; install approximately \$20,000 equipment; daily output 4000 to 12,000 loaves bread.*

Tex., Marshall—Marshall Supply Co., capital \$10,000, incorporated by H. C. Blaylock, Charles Cobb and J. S. Merliweather.

Tex., San Antonio—Dielman Construction Co., capital \$50,000, incorporated by Maria Dielman, Leo M. J. Dielman, 306 E. Commerce St.; John J. Jehl.

Tex., San Antonio—Laney Creamery Co., capital \$60,000, incorporated; J. C. Laney, G. P. Tuttle.

Tex., Vernon—Plains Equipment Co., capital \$15,000, incorporated; H. M. Price, R. D. King.

Tex., Waco—Moser-Percy Battery Co., 709 Washington Ave., incorporated by C. W. Percy, F. A. Moser.

Tex., Waco—The Waco Drug Co., 225 S. Fifth St., J. M. Penland, Pres., let contract to J. E. Johnson Construction Co., 203 Cameron Bldg., to erect \$100,000 addition to present building, 4-story, brick; increasing floor space to 80,000 sq. ft., 165x100-ft., plans include showers, locker rooms, etc., for employees; E. McIver Ross, Archt.

Tex., Waco—Peebles Main Cigar Co., Shear Bldg., 325 S. Fifth St., capital \$50,000, incorporated by T. R. Peebles, Waco; A. H. Main, Austin.

Va., Abingdon—Abingdon College Inn, Inc., capital \$15,000, chartered; E. A. Hines, Pres.; C. C. Bradley, Sec.

Va., Buena—Buena Granite Co., Inc., capital \$50,000, chartered; Everett E. Ansley, Pres.; Fred E. Ansley, Sec.

Va., Lynchburg—Lynchburg Tile & Mantel Corp., chartered; W. R. Winfree, Pres.; H. R. Cochran, Sec.

Va., Newport News—Madolene Pickle Corp., Camp Stuart, W. J. Nelms, Pres., increased capital, \$10,000 to \$25,000.

Va., Newport News—Nachman Candy Co.,

capital \$15,000, incorporated; Max E. Nachman, Pres., 2611 Chestnut Ave.

Va., Norfolk—Burlesque Theatre Corp., capital \$50,000; chartered; Thomas H. Wilcox, Pres.; J. M. Raftery, Sec.

Va., Norfolk—Ford Annex Hotel Corp., capital \$25,000, chartered; R. T. Lipscombe, Pres., Graydon Court Apt.

Va., Norfolk—H. B. Hunter Co., Inc., 1506 Brown St., H. Blount Hunter, Pres., increased capital from \$25,000 to \$75,000.

Va., Norfolk—Carnegie Office Appliance Co., Inc., 211 E. Main St., capital \$25,000, chartered with Geo. A. Carnegie, Pres.; Eva S. Lowery, Sec.

Va., Norton—Engineers—Scarborough & Dotson, Inc., chartered; G. C. Scarborough, Pres.; F. T. Dotson, Sec.

Va., Richlands—Richlands Beverage Corp., chartered; C. P. Kline, Pres.; R. C. Smith, Sec.

Va., Richmond—Stationery—The Richmond Pen & Stationery Co., Inc., chartered; E. A. Schmidt, Pres.; Burke H. Campbell, Sec.

Va., Roanoke—N. W. Pugh Co., Inc., 25 Campbell Ave., S. W., increased capital from \$100,000 to \$400,000.

Va., Saltville—The Mathieson Alkali Works, Inc., F. B. Richards, Treas., 23 West Forty-third St., New York City, advises: Expenditures will be made largely to increase efficiency of plants rather than to expand operations; work for the most part will be handled by own forces.*

Va., Staunton—Jobbers Calendar Corp., capital \$10,000, chartered with John G. Yeager, Jr., Pres.; L. C. Yeager, Sec.

Va., Suffolk—Stationery—Tyree's, Inc., capital \$50,000, chartered; R. A. Tyree, Pres., Bank and Pinner Sts.; Ruth Brinkley Tyree, Sec.

W. Va., Clarksburg—C. S. Warne Co., capital \$25,000, incorporated; Ed Horstemer, 320 Liberty Ave.

W. Va., Parkersburg—Universal Pump Co., capital \$100,000, incorporated by John M. Crawford, H. J. Lockhart, C. A. Ruf.

Va., Portsmouth—Portsmouth Apartment Corp., capital \$15,000, chartered with H. E. Dorin, Pres.; T. B. Lee, Sec., 430 High St.

Va., Saint Charles—St. Charles Supply Co., Inc., capital \$25,000, chartered with H. D. Hook, Pres., Pennington Gap; M. F. Steelman, Sec., St. Charles.

W. Va., Harpers Ferry—The Harpers Ferry Co., will rebuild burned pulp mill.

W. Va., Watson—Fairmont Whistle Products Co., capital \$50,000, incorporated by Charles C. Sleers, Harry E. Barbee, both Fairmont.

Motor Cars, Garages, Tires, Etc.

Ala., Birmingham—Automobile Repairing—Chandler Construction Co., Inc., chartered; Chas. J. Williams, W. L. Sims.

Ala., Birmingham—Dixie Motor League, incorporated; C. B. Rogers, Alvin Douglas.

D. C., Washington—Garage—Treasury Dept. Supvg. Architects Office, will receive bids Feb. 19 for 1-story, fireproof garage, for Government fuel yards, Bureau of Mines.

Fla., Jacksonville—Jones-Swan Motor Co., capital \$100,000, incorporated with Guy C. Jones, Pres.; Mason M. Swan, Sec.

Fla., Lemon City—Orange State Oil Co. will erect \$18,000 garage.

Fla., Miami—Air Kool Spark Plug Corp., let contract to Hunt Brothers Co., New Tatum Bldg., for \$50,000 building on N. W. 29th St., 2-story, 90x130-ft., cement block construction; manufacture automobile spark plugs; Klehnel & Elliott, Archts., 224 Central Arcade.

Fla., St. Petersburg—McCrea-Alcock, Inc., capital \$60,000, chartered with Geo. A. Mc-

Crea, Pres., E-456 Eleventh Ave., N., J. W. Harrison, Sec.

Fla., Tampa—R. H. Barber, Inc., capital \$28,000, chartered by R. H. Barber, E. J. Sweeney, both Tampa; Thomas Conduite, Bradenton.

Ga., Atlanta—Federal Motor Truck Co., Federal and Campbell Ave., Detroit, Mich., reported to erect \$35,000 building 242 W. Peachtree St., containing approximately 43,000 sq. ft.; to serve as southeastern headquarters for the company.

Ga., Valdosta—The McLarty Motor Co., capital \$21,000, incorporated by Verne McLarty, H. L. McMath.

Ky., Louisville—Keller Auto Body Co., increased capital to \$15,000.

Ky., Somerset—Central Motor Co., capital \$15,000, incorporated; F. P. Curtis, W. C. Curtis.

La., Baton Rouge—Brooks-Barnett, Inc., 825 Main St., will erect \$11,310 filling station.

Miss., Camden—Camden Motors Co., capital \$10,000, incorporated; O. J. Harrelson, D. O. Harrelson.

Miss., Jackson—Jackson Motor Car Co., capital \$25,000, incorporated; L. M. Jiggits, Niles Moseley.

Miss., Vicksburg—Powell-Kelly Chevrolet Co., 1517 Washington St., capital \$25,000, incorporated; H. C. Powell, L. B. Harris.

Miss., Vicksburg—Christian & Brough have plans by Wm. A. Stanton for remodeling building, Washington and Jackson St.

Mo., Cape Girardeau—A. H. Haas will erect garage and filling station on Ellis St.

Mo., Carthage—Auto Rain Guard Co., incorporated; G. W. Porter, 612 S. McGregor St.

Mo., Kansas City—Empire Garage Co., 905 Oak St., will erect 3-story garage, McGee St.

Mo., Kansas City—Schutte Investment Co. will erect 2-story building, cor. Twenty-sixth and Grand Ave., to be occupied by Stewart-Warner Products Service Station.

Mo., Kansas City—B. L. Holman, 233 E. Ninth St., will erect \$100,000 public garage building, 4-story and basement, 96x115-ft., brick and concrete.

Mo., Kansas City—The Tri-State Motors, Inc., H. E. Kyman, Pres., 1620 McGee St. has leased building at 1727 McGee St., will remodel.

Mo., Kennett—Pete Anthony will erect 129x80-ft., building, first floor for garage, filling station, auto storage and machine shop, upper floors apartments.

Mo., Hannibal—Gem City Motor Car Co., incorporated; Edward P. Allen, Pres.; Edward P. Allen, Sec.

Mo., Moberly—Dunn Motor Co., will occupy garage building, Coates and Morley St., 1-story, 85x90 ft., will include salesroom, service department and storage room, capacity 25 cars; to be erected by Joe Bennett.

Mo., St. Louis—St. Louis Road King Sales Co., incorporated with F. F. Herberman, Sec.

Mo., St. Louis—Trampe Spark Plug Co., capital \$100,000, incorporated; V. H. Greffoz, Pres.; P. A. Doyle, Sec., 3540 Wyoming St.

Mo., St. Louis—Franklin Motor Car Co., 2217 Locust St., will occupy sales and service building, 3949 Lindell Bldg.; 1-story, 300 ft. front, brick cost \$250,000; construction by Charles S. Muerl Building & Realty Co., 3609 Hartford St.; Widmer Engineering Co., Archts.-Engrs., 502 Laclede Gas Bldg.

N. C., Goldsboro—Southerland Auto Supply Co., capital \$100,000, incorporated by Geo. C. Southerland, Sr., and Geo. D. Bizzell.

N. C., Statesville—Henkle-Morrow Motor Co., capital \$50,000, incorporated by C. V. Henkle, W. H. Morrow.

Okla., Oklahoma City—Shirley Motor Co., incorporated by E. R. Shirley, Charley Hess and J. M. Browning, 418 W. Fifth St.

Okla., Ringling—The Ringling Motor Co.; increased capital from \$25,000 to \$40,000.

S. C., Woodruff—Garage on Main St. operated by Henry Crow.

Tenn., Chattanooga—Motor Service Corp., Emmett Newton, Pres., Signal Mountain, will occupy building on Market St., to be erected by the Chattanooga Trust Co., First National Bank Bldg., 100x130 ft., 2-story, fireproof construction, cost \$30,000 to \$35,000.

Tex., Beeville—Hunt Auto Co., plans erecting 40x100 ft., addition to present plant.

Tex., Florence—Florence Motor Co., capital \$10,000 incorporated by J. T. Bowman, F. W. Sternenberg.

Tex., Killeen—Killeen Motor Co., capital \$15,000, incorporated; Sam McReary, C. W. McConaughy.

Tex., Manor—Manor Motor Co., capital \$20,000, Ben Fromme, W. H. Perry and others.

Tex., Sherman—Sherman Chevrolet Co., capital \$25,000, incorporated by Dan Brown, Leo Potishman.

Tex., Waco—John Sleeper, 1111 Austin Ave., will erect \$10,000 building on Austin St., 72½x165-ft., to be occupied by Percy-Moser Battery Co.

Va., Appalachia—Fuel City Motor Co., Inc., capital \$50,000; chartered with E. M. Gilly, Pres., Big Stone Gap; D. D. Parks, Sec.

Va., Bristol—Standard Oil Co. of Louisiana, P. Bryan, local Mgr., let contract to W. J. Arnold for service station, cor. Fifth and Anderson Sts. cost \$10,000.*

Va., Roanoke—Safety Motor Transit Corp. chartered; T. E. Greer, Pres.; 1126 Gilmer Ave., N. W.

Va., Roanoke—United Drive-It Yourself System, 16 Church Ave., W., organized with Harry L. Luftman, Pres.; J. S. Norman, Sec.; will occupy building now under construction at 608 S. Jefferson St.

W. Va., Bluefield—Cartneer Cadillac Co., capital \$50,000, J. D. Cartwright, James H. McNeer, Summers St., and others.

Railways

Fla., Sarasota—Plans have been prepared by the Seaboard Air Line Railway to build 2 mi. of team track yards at Sarasota, according to a local report quoting C. R. Capps, vice-president. W. D. Faucette, Norfolk, Va., is Ch. Engr.

Railway Shops, Terminals, Round-houses, Etc.

Ky., Paducah—Illinois Central Railroad Co., F. L. Thompson, Chief Engr., Chicago, reported to have let contract to Joseph E. Nelson & Sons, 3240 S. Michigan Ave., Chicago, Ill., for foundation of new shops units; 30 or more structures.*

Road and Street Construction

Ala., Birmingham—See Land Development.

Ala., Birmingham—City plans expending \$105,000 to pave 3 close-in streets, and about \$250,000 to pave other streets; A. J. Hawkins, City Engr.

Ala., Birmingham—Jefferson County, Board of Revenue, receives bids March 3 to build portion of Pratt City—Ensley and Pratt City—Birmingham roads Ave. T and U, and First St., etc.; 5000 cu. yd. 6-in. plain cement concrete base course, 5000 sq. yds. sheet asphalt or bitulithic surface; 9 inlets, manhole; plans, etc., from H. G. Culverhouse, County Highway Engr.

Ala., Birmingham—City plans expending \$52,760 to pave 2 streets in central section; A. J. Hawkins, City Engr.

Ala., Fairfield—City plans paving 8 blocks in residence section; S. W. Caldwell, City Engr.

Ala., Greensboro—State Highway Comm., Montgomery, received low bid from Mitchell Bros., Birmingham, at \$44,712 for 1.98 mi. road in Greensboro, Hale County.*

Ala., Jasper—Walker County Comms. Court, plans hard surfacing Jasper-Oakman road.

Ala., Linden—State Highway Comm., Montgomery, plans road from Linden to Thomas-ton, Marengo County.

Ala., Tuscaloosa—City Comm. will receive bids Apr. 1 for \$150,000 street paving, including cement sidewalks from Tenth to Hackberry Lane, etc.

Ark., Little Rock—Dist. Board of Comms., and State Highway Dept., will receive bids Feb. 20 to pave 5 mi. Little Rock-Spring Lake road, from Arch St. to Granite Mountain, 18-ft. wide asphalt surface on concrete base, W. E. Ford, Ch. Engr.

Ala., Tuscaloosa—See Land Development.

Arkansas—See Lumber Enterprises.

Fla., Apopka—City plans about 2 mi. street paving; \$90,000 available. Address City Clk.

Fla., Avon Park—See Land Development.

Fla., Bartow—Polk County Comms. contemplates 2 mi. road from Scenic Highway to Flamingo Jungle, on Tiger Creek, near Lake-Walk-in-the-Water, to be established by Edward Bok for protection of bird life.

Fla., Bartow—Polk Comms., will receive bids Feb. 16 to grade, construct drainage structures and surface with 15-ft. sheet asphalt, bituminous macadam, or similar material 47.8 mi. highway in Special Road and Bridge Dist. No. 11; plans, etc., from J. D. Kaulerson, Clk., or E. A. Plath, Engr.*

Fla., Bradenton—Manatee County Comms., plan 7 paved, macadamized or other hard-surfaced roads; Bradenton-Arcadia, Parrish-Wauchula, Parrish-Polk County, Bradenton-Palmetto Bridge, Ellenton-Gillette, Rubonia Cut-Off, and Range Line; will vote Feb. 23 on \$1,400,000 bonds.*

Fla., Dade City—Pasco County Comms. plan 100 mi. road building; contemplate \$1,000,000 bond issue.

Fla., Davenport—City plans expending \$300,000 to pave streets. Address City Clk.

Fla., Daytona—See Land Development.

Fla., Delray—Town plans laying sidewalks on various streets. Address Town Clk.

Fla., Dunedin—City plans extending Main St. to 70-ft. width. Address City Clk.

Fla., Fort Lauderdale—City plans building and improving streets; will vote Feb. 21 on \$90,000 bonds. Address City Clk.

Fla., Jacksonville—See Land Development.

Fla., Kendall—See Land Development.

Fla., Key West—City plans repairing White St. between Division and County road. Address City Clk.

Fla., Kissimmee—City Comms. plan paving 37 streets, totaling 10 miles; estimated cost \$100,000; plans sewer and water systems; contemplates \$152,000 bond issue.

Fla., Kissimmee—City Comm. plans paving remaining streets in residence section; also boulevard connecting Broadway with Lake shore being reclaimed.

Fla., New Port Richey—City plans paving 1 mi. Montana Ave. from Boulevard to Congress St.; J. B. McCrary Engineering Corp., Citizens Southern National Bank Bldg., Atlanta, Engr.; Elroy M. Avery, Mayor.

Fla., Ocala—City will receive bids Mar. 3 to grade, pave and improve 200,000 sq. yds. paving; plans, etc., from Edward Drake, City Mgr.*

Fla., Orange City—City plans street paving. Address City Clk.

Fla., Orlando—Cooper-Atha-Barr Co., 112 S. Orange St., let contract to Cox & Jernigen Construction Co. to pave streets and lay sidewalks in Copeland Park subdivision.

Fla., Ormond—Board of Managers will re-

ceive bids Mar. 10 for 66,000 sq. yds. brick, concrete or bituminous pavements with curb, gutter, etc., 23,000 lin. ft. 30 to 10 in. storm drains, 7000 lin. ft. 6-in. sanitary sewer laterals; plans, etc., from John W. Robinson, Clk.; N. A. Hotard, Engr., New Smyrna.

Fla., Pensacola—See Land Development.

Fla., Plant City—City plans expending \$43,000 for street improvement; W. C. Wells, Mayor; H. B. Andrews, City Engr.

Fla., Sanford—Seminole County plans road building; contemplates \$1,500,000 bond issue. Address County Comm.

Fla., Sarasota—See Land Development.

Fla., Sarasota Heights, Sarasota—L. E. Reno, awarded contract at \$40,000 for paving in La Linda Terrace Dist. Address City Clk.

Fla., South Jacksonville—See Land Development.

Fla., Starke—Bradford County Bond Trustees plan building 2 additional lateral roads: From Road No. 1 to Sampson County line; from Road No. 1 to Hampton Beach and to intersect with highway at Hampton.

Fla., Starke—City plans widening and improving Tenth St. and Kingsley Ave. and Walnut St. from Call to Madison. Address City Clk.

Fla., Tampa—City Comm. will receive bids Feb. 24 to grade and pave with 2½-in. asphalt blocks and lay granite curbing on Fifteenth Ave. and Ninth St.; plans, etc., from City Engr.; Wm. E. Duncan, Clk.

Fla., Tampa—State Road Dept., Tallahassee, will receive bids March 4 to grade, construct drainage structures and surface 12.1 mi. State Road No. 5, Hillsborough County, from Six Mile Creek south, concrete, plain, reinforced or bituminous, sheet asphalt, bituminous macadam on 8-in. rock base, and rock base only; also re-lay about 4 mi. brick paving, with concrete curb on both sides; plans, etc., on file, and from Div. Engr.; J. L. Cresap, State Highway Engr.

Fla., Titusville—See Land Development.

Fla., Vero—City let contract to F. W. Long & Co., 207 Realty Bldg., Jacksonville, at \$163,766 to pave with water-bound macadam, lay curbs and build culverts.*

Ga., Brunswick—State Highway Dept., East Point, will receive bids Feb. 20 for 8.14 mi. gravel Jesup-Brunswick road, between Grangersville and Everett, 20,305 cu. yds. clay gravel; plans on file; W. R. Nell, State Highway Engr.*

Ga., Cedartown—City let contract to Whitley Constructing Co., LaGrange, for 14,000 sq. yds. 7-in. plain concrete paving, estimated cost \$32,000.*

Ga., Macon—City let contract to Higginson Construction Co. at 17 cts. per ft. for guttering, 12 cts. per ft. for curbing and 18 cts. per sq. ft. for sidewalks.

Ky., Owingsville—State Highway Comm., Frankfort, plans letting contract July 1 for 13 mi. road between Owingsville and Farmers on Midland Trail, Bath County; Dan W. Doggett, County Atty.

Ky., Whitesburg—Letcher County Fiscal Court will let contract for 2 mi. highway from Ice down Kentucky River.

La., Edgard—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, will receive bids Feb. 24 to baton surface and construct shoulders on 3.61 mi. Frenier-Ory Highway; plans, etc., on file; Wm. B. Robert, State Highway Engr.

La., Gretna—Jefferson Parish Police Jury let contract to E. J. Deas, Inc., at \$104,102 for 20-ft. asphalt road, with concrete base and concrete drain system, to extend over Metairie Ridge to Shrewsbury, as part of Jefferson Highway.

La., Lake Charles—City let contract to Martin & Rilling for sidewalks on east side

of Common St., between Cleveland and Sixth Sts. Address Mayor Trotti.

La., Springville—Livingston Parish, Sub-road Dist. No. 1, of Road Dist. No. 1, plans graveling Petes' Highway and Wheats' Highway, and grading and maintaining all public roads in district; voted \$35,000 bonds. Address Parish Police Jury.

Miss., Columbus—City plans paving College St., from Sixth to Fifteenth, N. Third Ave. from Market to Seventeenth and Fifth or Market from Third to Second, and from postoffice to M. & O. R. R., standard type of paving. Address City Clk.

Miss., Gulfport—Harrison County Board of Supvrs., Emile J. Adam, Pres., plans 105 mi. of highways in county and concrete bridge across Back Bay of Biloxi; will vote Feb. 28 on \$1,500,000 bonds.

Miss., Hattiesburg—Forrest County Board of Supvrs. will receive bids soon to pave 3 roads in Road Dist. No. 1, estimated cost \$250,00.*

Miss., Holly Springs—Marshall County—Board of Supvrs., will receive bids March 3 for 2.1 mi. gravel road on Federal Aid Project No. 39, estimated cost \$20,000.

Miss., Pass Christian—City plans completing street paving; contemplates \$25,000 bonds. Address City Clk.

Miss., Winona—Board of Aldermen plan paving streets in residence section.

Miss., Woodville—Wilkinson County contemplates building 4 roads, totaling about 30 mi.: Between Woodville and Louisiana line, connecting Prentiss Highway with gravel road of West Feliciana Parish; Fort Adams road to district line; lower Natchez road to Lanehart; Perry Creek's road to district line; contemplates \$100,000 bond issue. Address County Comms.*

Mo., Neosho—City plans paving 12 blocks on Jefferson St. with 7-in. concrete. Address City Clk.

Mo., Springfield—Greene County, Board of Comms. of Sherwood Special Road Dist. plans road and bridge building; will vote Feb. 25 on \$15,000 bonds; M. M. Crawford, Sec.

Mo., St. Louis—City Plan Comm. plans relief street and viaduct from Eastern Ave. to Chouteau Ave. and half way between Grand Blvd. and Spring Ave.; estimated cost \$2,000,000; viaduct to cost \$750,000.

N. C., Asheville—See Land Development.

N. C., Chimney Rock—Chimney Rock Mountains, Inc., S. E. Elmore, Sec., P. O. Box 1229, Asheville, plans 5½ mi. highway to replace present highway to be submerged.

N. C., Charlotte—See Land Development.

N. C., Greenville—Pitt County Highway Comm. let contract to Robert Paving Co., Salisbury, Md., at \$20,468 per mile to pave road from Ayden to Ridge Springs and to connect with Highway No. 11.

N. C., Robersonville—City let contract to Foster Construction Co., North Wilkesboro, at \$35,512 to pave main street.*

N. C., Salisbury—Rowan County Comms. plan expending \$35,000 as county's share toward paving road connecting Salisbury and Spencer.

N. C., Wake Forest—Town Comms. interested in building hard-surfaced road from Wake Forest to Durham.

N. C., Wilson—Wilson County Comms. plan improving roads; will vote March 5 on \$1,250,000 bonds.*

Okla., Lawton—Comanche County Comms. plan building 5 hard surfaced roads: East to Stephens County line; south to Cotton County line; southwest to Tillman County line; west to Kiowa County line; north to Caddo County line; will vote Mar. 10 on \$400,000 bonds.

Okla., Newkirk—Kay County will receive bids soon to grade 2½ mi. road from New-

kirk, estimated cost \$60,000. Address County Judge, Enid.

S. C., Charleston—City plans improving Murray Blvd., and King St. between South Bay and Murray Blvd.; J. H. Dingle, City Engr.

S. C., Newberry—City let contract to Southern Paving Construction Co., Volunteer State Life Bldg., Chattanooga, at \$300,000 for 60,000 sq. yds. street paving.

S. C., Winnsboro—Fairfield County Highway Comm., will receive bids Feb. 17 for 12.06 mi. Longtown road, from Kershaw-Fairfield County line to Survey Station 637-00 84,255 cu. yds. common and rock excavation, 37,854 cu. yds. sand clay surfacing, or 29,768 cu. yds. sand clay surfacing, and 63,830 lin. ft. mixing and shaping; plans, etc. from Lockwood, Greene & Co., Engrs., Winnsboro.

Tenn., Chattanooga—City plans paving 14 streets, including Cross, Sycamore, Magnolia, Grove, etc. Address Commr. Bass.

Tenn., Chattanooga—See Miscellaneous Construction.

Tenn., Chattanooga—See Land Development.

Tenn., Clarksville—Montgomery County plans grading, surfacing, and oiling various highways in County; J. Selsemyer, Supvr.*

Tenn., Clarksville—Dept. of Highways and Public Works, plan road from Cumberland River Highway Bridge to south section of Montgomery County; work under direction of C. H. Olmstead, Div. Engr., Nashville.

Tenn., Cleveland—City plans opening street between Broad St. and western link of Lee Highway; plans selling \$50,000 bonds. Address City Clk.

Tenn., Kingsport—See Sewer Construction.

Tenn., Kingsport—City, F. L. Crowl, Mgr., will lay 6500 sq. yds. concrete paving and 1250 sq. yds. concrete sidewalks and 1000 ft. sewers in Dist. No. 27, estimated cost \$19,000.*

Tenn., Nashville—Board of Public Works plans laying concrete curb and gutter on Third Ave., between Fatherland St., and Wedgewood Ave.; also plans paving; W. W. Southgate, City Engr.

Tex., Albany—Shackelford County plans grading and constructing bridges on 12.71 mi. State Highway No. 1; Jas. E. Perie, County Engr.

Tex., Baird—State Highway Dept., Austin, approved plans to grade and bridge 75 mi. State Highway No. 1, Callahan County; build creosoted timber underpass and lay bituminous macadam surfacing; total approximate cost \$24,000; T. H. Webb, County Engr.; Victor B. Gilchrist, County Judge.

Tex., Barstow—Ward County plans 11.13 mi. macadam road on State Highway No. 1; S. S. Posey, Res. Engr.; Geo. H. Tucker, County Judge.

Tex., Breckenridge—Stephens County plans concrete or other high-grade pavement on road between Breckenridge and Throckmorton County line; John W. Hill, County Judge.

Tex., Childress—City plans paving 50 blocks of streets in residence section. Address City Clk.

Tex., Clarendon—Clarendon Lion's Club, interested in paving Colorado-to-Gulf Highway through city, and improving all roads in vicinity. Address Chamber of Commerce.

Tex., Corsicana—City plans paving 12 blocks of streets; W. W. McClendon, City Engr.; J. A. Harper, Sec.

Tex., Corsicana—Navarro County plans building three 18-ft. concrete roads, totaling 102 mi.: North and south from Ellis County line through Rice, Corsicana and Richland, to Freestone County line; east and west from Hill County line, along Cotton Belt Ry. to Trinity River, or Henderson County line, with 1.5 mi. trestle; from Hill County line to Cor-

sicana; plans voting on \$3,500,000 bonds; W. W. McClendon, Engr.; Ballard W. George, Judge.*

Tex., Cuero—City plans 10,000 ft. of sidewalks. Address City Clk.

Tex., Dallas—City plans extending De Soto St. to Young St.; R. A. Wylie, Street Commr. Tex., Dallas—See Land Development.

Tex., Eagle Pass—Maverick County will receive bids soon to grade and construct bridges on 2 sections of roads: 11.96 mi. State Highway No. 85, Winter Garden Trail, estimated cost \$63,000; 12.09 mi. State Highway No. 85, Winter Garden Trail, approximate cost \$55,000; C. E. Wright, County Engr.; W. A. Bonnett, County Judge.

Tex., El Paso—El Paso County Commrs. let contract to Lee Moor Contracting Co., 2 Republics Bldg., at \$34,879 for Mericopa concrete on Country Club road.

Tex., Fort Worth—City plans widening W. Seventh St. Address Street Commr. Jones.

Tex., Galveston—City Comm. contemplates paving 21st and 22nd from Market to Boulevard.

Tex., Houston—City plans paving with brick on suitable base of filler and topping streets around Woodrow Wilson School. Address City Clk.

Tex., Houston—Harris and Galveston Counties will receive bids Feb. 24 to grade, pave and bridge Highway No. 6, Harris and Galveston Counties, 114,365 cu. yds. grading, 16,080 sq. yds. concrete pavement, 1677 lin. ft. 60-in. concrete curb, 301,087 lbs. reinforcing steel; plans from Howe & Wise, County Engrs., First National Bank Bldg., Houston; State Highway Dept., Austin, and John M. Murch, County Auditor, Galveston.*

Tex., Jacksboro—Jack County let contract to Trimble-Graham Co., Denton, at \$67,171 to grade and construct drainage structures on 12.8 mi. state highway No. 25, Archer City road, from Jacksboro to Lynn Creek.*

Tex., Kerrville—Kerr County plans building 15-mi. road from Bandera County line to Kerrville. Address County Commrs.

Tex., Linden—Cass County will receive bids soon for 9.45 mi. 9-ft. Bates section concrete pavement on State Highway No. 8, between Linden and Marion County line, crushed rock base with 1½ or 2-in. bituminous topping, or 5-in. asphaltic concrete base with ¼-in. cold rock asphalt topping, 16-ft. wide; S. B. Janes, Res. Engr., Linden; F. E. Hess, County Engr., Dallas; S. L. Henderson, County Judge.

Tex., Magnolia Park, Branch of Houston—City plans street improvement; will vote Feb. 24 on \$250,000 bonds. Address The Mayor.

Tex., New Braunfels—Terrell Bartlett, Engrs., Calcasieu Bldg., are preparing plans for grading, drainage and gravel drives in Municipal Cemetery.

Tex., Pharr—City plans permanent street paving; voted \$25,000 bonds. Address The Mayor.

Tex., San Antonio—City let contract to Uvalde Rock Asphalt Co., Frost National Bank Bldg., to improve Fifth and South Sts.

Tex., San Antonio—City let contract to Uvalde Rock Asphalt Co., Frost National Bank Bldg., to pave W. Commerce St. from 19th to 24th Sts.

Tex., Seymour—Baylor County will receive bids soon to surface 13.68 mi. State Highway No. 30; J. G. Rollins, Rec. Engr.; Ernest Tibbetts, County Judge.

Tex., Sherman—Grayson County plans county-wide road improvement; contemplates voting on \$4,500,000 bonds. Address A. Y. Creager.

Tex., Sweetwater—Nolan County will receive bids soon to grade and construct 5 bridges over 20-ft. span, on 15.31 mi. State

Highway No. 1, from Sweetwater to Taylor County line; John A. Focht, County Engr.; A. S. Mauzey, County Judge.

Tex., Vernon—Wilbarger County will receive bids soon for 4.72 mi. concrete pavement on State Highway No. 28; John B. Nabors, County Engr.; O. T. Warlick, County Judge.

Tex., Waco—City plans laying No. 2 sidewalk on N. 21st St. from Homan to Ethel Ave.; V. G. Koch, Engr.; Geo. D. Field, City Sec.

Va., Danville—City plans street paving; contemplates voting in March on \$100,000 bonds. Address City Auditor.

Va., Richmond—State Highway Comm. contemplates 12 mi. concrete road, between Norfolk and Richmond.

W. Va., Wheeling—City plans extending Chapline St. Address City Clk.

Sewer Construction

Ala., Birmingham—See Land Development.

Ala., Tuscaloosa—See Land Development.

D. C., Washington—District Commrs. let contract at \$55,139 to W. Harry Angle for interceptor sewer in Rock Creek Park.

Fla., Avon Park—See Land Development.

Fla., Fort Pierce—City received low bid from Morgan Hill Paving Co., Graham Bldg., Jacksonville, at \$262,052 for both storm and sanitary systems of clay pipe and \$242,432 of concrete pipe.*

Fla., Jacksonville—See Land Development.

Fla., Fort Lauderdale—See Water Works.

Fla., Ormond—See Road and Street Construction.

Fla., Orlando—See Land Development.

Fla., Pensacola—See Land Development.

Fla., Kissimmee—See Road and Street Construction.

Fla., Punta Gorda—L. C. Michler, Daytona Beach, reported to have contract for storm and sanitary sewers.

Fla., Sarasota—See Land Development.

Fla., South Jacksonville—See Land Development.

Fla., Tampa—City, Wm. E. Duncan, Clk., receives bids Feb. 24 for sewers. (See Machinery Wanted—Sewer Construction.)

Fla., Vero—City, B. T. Redstone, Mayor, will receive bids March 2 for sewer system. (See Machinery Wanted—Sewers.)

Ga., Macon—J. B. McCrary Engineering Corp., Citizens and Southern Bank Bldg., Atlanta, reported to have contract for sewers in Cherokee Heights.

Mo., Springfield—City will soon receive bids for sewer in District No. 5. Address City Engr.

Mo., Springfield—City let contract to Ralph W. Langston, 730 S. Fort St., for construction of sewers in District 4.

Mo., St. Charles—City, R. L. Chrismer, Chrmn. of Sewer Committee, contemplates construction of sewers in west end.

N. C., Asheville—See Land Development.

N. C., Roseboro—City, L. M. White, Clk., will construct sewer system, estimated cost \$23,497; 3 disposal plants, cost not estimated; will soon call for bids; J. B. McCrary Co., Engrs., Charlotte.*

N. C., Siler City—City let contract to J. B. McCrary & Co., Citizens & Southern Bank Bldg., Atlanta, Ga., for water and sewer system; \$75,000 bonds available; Spoon & Lewis, Engrs., Greensboro.*

Okla., Holdenville—See Water Works.

Okla., Pittsburg—City will soon receive bids for sanitary sewers; cost \$27,000; Gantt, Baker & Co., Engrs., First National Bank Bldg., Oklahoma City.

S. C., Honea Path—City voted \$48,000 bonds for sewer system. Address The Mayor.

Tenn., Chattanooga—See Miscellaneous Construction.

Tenn., Chattanooga—See Land Development.

Tenn., Kingsport—City, F. L. Cloud, Mgr., receives bids Feb. 17 for improvements in District No. 26. (See Machinery Wanted—Sewers, etc.)

Tex., Giddings—City votes Feb. 24 on \$46,000 sewer bonds; J. D. Fields, Mayor.

Tex., Lubbock—James Construction Co. has contract for installing additional unit at city's disposal plant.*

Tex., Magnolia Park, Branch Houston—See Water Works.

Tex., Rosebud—G. W. Iehman, Mayor, votes Feb. 26 on \$38,000 bonds.

Va., Danville—City votes in March on \$50,000 bonds for sewers. Address City Auditor.

Va., Richmond—Westover Hills Sewer Connection Co., capital \$50,000, incorporated with R. Walker, Pres.; W. B. Disney, Sec.

Va., Westhampton, R. Sta. Richmond—Cheatwood & Driscoll, Vawter and Highland Sts., Richmond, reported to have contract for sewer system for suburban section.

W. Va., Clarksburg—City, D. H. Hamrick, Clk., will receive bids Feb. 17 for sewers, etc.; 5 storm water inlets; 24 manholes; 4340 lin. ft., vitrified sewer pipe; 13 cu. yds. concrete.

Telephone Systems

Fla., Lake Worth—Lake Worth Telephone Co., Earl Horsman, Mgr., will expend \$50,000; equipment all purchased.

Fla., New Smyrna—Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., will make extensive improvements; Kay Johnson, local plant manager.

Fla., Sarasota—See Land Development.

Fla., South Jacksonville—See Land Development.

Fla., Pensacola—See Land Development.

Tenn., Martin—Weakley County Telephone Co. contemplates expending \$10,000.

Tex., Bend—Bend Telephone Co., incorporated; J. S. Gibson, W. T. Moore.

Tex., Lamesa—Lamesa Telephone Co., J. H. Lee, Propr., will expend about \$30,000 on enlarging plant and extending lines.

Va., Stuart—The Stuart Telephone Co., Inc., capital \$10,000, chartered with W. C. Akers, Pres.; J. R. Neal Sec.

Textile Mills

Ala., Anniston—Everett Mills, Lawrence Mass., reported contemplating locating gingham mill at Anniston.

Ala., Opelika—F. P. Sheldon & Son, Providence, R. I., reported engineers for southern plant of Pepperell Manufacturing Co., 160 State St., Boston, Mass.*

Ala., Piedmont—Standard-Coosa-Thatcher Co., advises they have recently acquired 28 acres and will erect 50 houses; also improve textile mill; install 65 cards, 26 combers; 3 sliver lap machines; 3 ribbon lap machines; 30 deliveries of drawings; 2 slubbers; 24 twistlers, to operate in connection with present equipment; will increase production one-third, main office Chattanooga, Tenn.*

Fla., Coral Gables, P. O. Miami—Bishopville Interests, Miss Athene Foster, will erect building, Coconut Grove and Ponce de Leon Blvd., for weaving old-fashioned fabrics; building will contain display rooms, etc.; will install looms; M. L. Hampton, Archt., 100 New Congress Bldg.

Ga., Gainesville—Appleton Company, Lowell, Mass., reported to have acquired site for textile mill.

North Carolina—Lawrence Manufacturing Co., Lowell, Mass., reported considering locating mill in North Carolina.

North Carolina—Home Bleach & Dye Works, Pawtucket, R. I., reported contemplating locating yarn mill in North Carolina.

N. C., Duke—Erwin Cotton Mills of Duke and Durham, have purchased from Cocker Machine & Foundry Co., Gastonia, 2 indigo warp dyeing units; machines will dye 100 warps daily.

N. C., Lexington—Younts & Son, R. 6, contemplates constructing hosiery mill. (See Machinery Wanted—Knitting Machines).

N. C., Mt. Pleasant—A. N. James has acquired Halifax Cotton Mill.

S. C., Greenville—Lullwater Manufacturing Co., Atlanta, Ga., W. T. Candler, Pres.; will install 24 looms and 4500 spindles at duck manufacturing plant.*

Tenn., Knoxville—Ashe Hosiery Mills, Gay and Fourth Ave., J. J. Ashe, Pres., will construct brick addition to infants' hosiery manufacturing plant; one 60x50 ft., 2 stories, one 73x40 ft., 1 story dye house; maple and concrete floors; asphalt roof; cost of building \$20,000, cost of equipment \$25,000; daily output 1000 to 1200 prs.; will install ribbons, knitters and loopers; Roehl & Gerwin, Contrs., 217 N. Broadway St.*

Tex., Dallas—C. R. Miller Manufacturing Co., 605 Jackson St. reported to have let contract to Saco-Lowell Shops, S. Mint St., Charlotte, N. C., for new equipment. Wire from Rogers W. Davis, of Saco-Lowell Shops, states: "Dallas Textile Mill, Dallas and Texas Cotton Mills, McKinney acquired and absorbed into corporation of C. R. Miller Mfg. Co. Confirm sale to them of 12,000 spindles. Location of new unit not yet definitely determined.

Tex., Galveston—West Boylston Manufacturing Co., Easthampton, Mass., reported to contemplate locating mill in Galveston.

Tex., Houston—Lone Star Hosiery Co., incorporated by L. E. Forbes, C. H. Smith.

Va., Roanoke—Viscose Corporation of Virginia will erect saw tooth roof shed, 170x500 ft.

Water Works

Ala., Birmingham—See Land Development.

Ark., Brinkley—Arkansas Light and Power Co., 413 Main St., H. C. Couch, Pres., Pine Bluff, reported to expend \$50,000 for improvements to water system.

Fla., Avon Park—See Land Development.

Fla., Daytona—See Land Development.

Fla., Fort Lauderdale—City will vote Feb. 21 on \$120,000 water extension, \$20,000 for sewers and drainage, \$296,000 bonds for park improvements. Address The Mayor.*

Fla., Fort Lauderdale—City Council will extend water system to Croissant Park subdivision.

Fla., Jacksonville—See Land Development.

Fla., Kissimmee—See Road and Street Construction.

Fla., Miami—See Land Development.

Fla., Ormond—City receives bids Mar. 10 for construction of water works system. (See Machinery Wanted—Water Works.)

Fla., Orlando—See Land Development.

Fla., Pensacola—See Land Development.

Fla., Sarasota—See Land Development.

Fla., South Jacksonville—See Land Development.

La., Baton Rouge—City let contract to Rutter and Fannell for pump house, University Lake; J. W. Billingsley, Const. Engr., City Hall.*

La., Kinder—City will vote on \$50,000 improvement bonds; F. P. Joseph, Const. Engr., Glenmora.

La., Lake Charles—Lake Charles Electric Co., Inc., contemplates installation of 1,000,000 gal. reservoir; will construct several miles of water mains; have let contract to Layne-Louisiana Co., for drilling and equipping 12-in. well to produce approximately 3,000,000 gal. every 24 hours.

La., Mansura—City, Arthur J. Escude, May-

or, receives bids Feb. 25 for electric light and water works improvements. (See Machinery Wanted—Electric Light and Water Works Improvements.)

Md., Baltimore—Board of Awards reported to have let the following contracts for trench excavation for Water Dept.: M. L. Quinn, 5307 York Road, at \$28,470 for North and Northeast districts; M. and J. B. McHugh, 4105 Bellview Ave., at \$76,850 for Northwest district; P. G. Ligon, at \$50,075 for Western and Southern districts.

Mo., Buffalo—City defeated bond issue. Address the Mayor.*

Mo., Independence—Public Service Comsn. authorized sale of Interurban Water Works Co. to Independence Water Works Co., also issuance of \$465,000 bonds to retire previous bond issues and an additional \$240,000 in notes.

Mo., Maryville—City, J. W. Qualls, Supt. Water Dept., contemplates improvements to plant.

Mo., St. Louis—West St. Louis Water Co. applied to Public Service Comsn., Jefferson City, for permission to issue \$600,000 bonds.

N. C., Asheville—See Land Development.

N. C., Asheville—City, Frank L. Conder, Commr. will expend \$800,000 during 1925 for water works extensions.

N. C., Hickory—City, John W. Ballew, Mgr. will receive bids Feb. 19 for water works improvement. (See Machinery Wanted—Water Works Improvements.)

N. C., Highlands—City let contract at \$30,000 to Conrad Construction Co., Florence, S. C., for gravity water supply system; Warren H. Booker, Engr., Charlotte.*

N. C., Elizabeth City—See Electric Light and Power Plants.

N. C., Roseboro—City, L. M. White, Clk., will construct water works; J. B. McCrary Co., Charlotte, Engrs.*

N. C., Siler City—See Sewer Construction.

Okla., Enid—City, R. T. Williams, Clk. will construct \$1,500,000 water works system; Black & Veatch, Engrs., Mutual Bldg., Kansas City, Mo.

Okla., Holdenville—City votes March 17 on \$35,000 water, \$45,000 sewer bonds. Address The Mayor.

Tenn., Chattanooga—See Land Development.

Tex., Brady—City voted \$100,000 bonds. F. L. Jones, Mayor.*

Tex., Canyon—See Electric Light and Power Plants.

Tex., Comanche—City having plans prepared by Jno. B. Hawley, Engr., 403 Cotton Exchange Bldg., Fort Worth, for water works improvements; cost \$70,000.*

Tex., Donna—City votes Feb. 24 on \$50,000 water works bonds. Address The Mayor.*

Tex., Elgin—City will construct water works system, enlarge pumping plant, etc.; cost \$75,000; Terrell Bartlett, Engrs., Calcasieu Bldg.

Tex., Giddings—City, J. D. Fields, Mayor, votes Feb. 24 on \$45,000 bonds for water works construction.

Tex., Lamesa—City, is having plans prepared by Hawley & Roberts, Engrs., Cotton Exchange Bldg., Fort Worth, for \$73,000 water works plant, \$17,000 sewer system, \$20,000 electric power plant.*

Tex., Lometa—City votes March 15 on \$42,000 water bonds. Address The Mayor.

Tex., Lone Oak—City, J. D. Rabb, Mayor, let contract for drilling well for additional water supply.

Tex., Magnolia Park, Branch Houston—City votes Feb. 24 on \$50,000 water works bonds, \$50,000 sanitary sewer bonds. Address The Mayor.

Tex., Pharr—City voted \$20,000 water improvement bonds; Address The Mayor.

Tex., Port Arthur—City is having J. O. Herpin, Engr., prepare plans for filtration plant and reservoir in Gilham's Circle.

Tex., San Antonio—City has acquired San Antonio Water Supply Co.'s plant, subject to approval at election April 1; Jno. T. Tobin, Mayor.

W. Va., Bolivar—Town has applied to Public Service Commsn., Charleston, for franchise to establish water system.

Woodworking Plants

Ala., Andalusia—Andalusia Casket Co., capital \$50,000, incorporated; J. M. Robinson, O. L. Benson and others.

Ala., Dothan—Dothan Coffin & Casket Co., will rebuild burned plant, modern fireproof structure, install machinery.*

Fla., Miami—See Lumber Enterprises.

La., Patterson—Acme Veneer Co., Inc., capital \$35,000, chartered; Arthur W. Zimmerman, Sec.-Treas.

N. C., Goldsboro—Enterprise Lumber & Box Co., organized; Geo. A. Smith, Pres., Portsmouth, Va.; have taken over interests of the Whiteville-Enterprise Lumber Co.; manufacture box shooks.*

Tenn., Chattanooga—Signal Furniture Co., capital \$100,000, incorporated; C. C. Moore, 709 Oak St.; R. K. Haskew; will erect plant, acquired site in East Chattanooga.

Va., Cloverdale—Virginia Cooperage Co., Inc. capital \$10,000, chartered; W. A. Reid, Troutville, Pres.; G. M. Kizle, Sec.

FIRE DAMAGE

Ala., Dothan—Plant of the Dothan Coffin & Casket Co.; loss \$75,000.

Ala., Montevallo—W. T. Reaves' residence, Centerville Rd.

Ark., Hatfield—E. Paosoris' residence.

Ark., Humnake—Consolidated school building; loss \$22,000; address School Board.

Ga., Arlington—Central of Georgia railroad freight and passenger depot; loss \$15,000; address C. K. Lawrence, Ch. Engr., Savannah.

Ga., Griffin—Sawmill owned by F. M. Kincaid, Jr.; loss several thousand dollars.

Ga., Macon—Elks' Club Bldg., 131 Cotton Ave., occupied in part by H. E. Lawe; loss to building \$5000, stock and fixtures of Mr. Lowe, \$25,000.

Ga., Macon—H. E. Lowe Electric Co., with rooms of Benevolent Protective Order of Elks above; loss \$40,000.

Ga., Savannah—Atlantic Coast Line R. R.'s bridge over Ogeechee River, near Ways. Address J. E. Willoughby, Ch. Engr., Wilmington, N. C.

Ga., Tifton—Banner Warehouse; address the owner.

Ky., Louisville—Southern Brick & Tile Co.'s engine and boiler rooms; loss \$25,000.

Ky., Olive Hill—Olive Hill Milling Co.'s plant; loss \$10,000; Olive Hill Planing Mill; loss \$15,000.

Ky., Pikeville—J. M. Bolling's residence, Julius Ave.; loss \$10,000.

Ky., Pineville—Gaines Theater, loss \$75,000; address C. C. Bowling, Mgr.

La., Basile—Evangeline Preparatory School, H. G. Patterson, Pres. Board of Trustees.

La., New Orleans—Two barns at Fair Grounds; loss \$40,000.

Md., Baltimore—Gordon Apartments, 103 W. Franklin St.; address the owner.

Md., Baltimore—Oil tank in tin plate mill of Bethlehem Steel Co., Sparrows Point; loss not estimated.

Md., Lake Roland (Branch Baltimore)—Perry Fuller's residence, Lake Station; loss \$65,000.

Miss., Brandon—H. C. Washburn's store and adjoining buildings; loss \$20,000.

Miss., Sumner—High School building; loss \$85,000; address School Board.

Mo., Sedalia—Pin Oak rural school building; address School Board.

Mo., Caruthersville—Custom Cotton Gin Co.'s plant; estimated loss \$20,000.

N. C., Alma—Lumber Veneer Co.'s plant; estimated loss \$50,000.

N. C., Gastonia—Hanover Mills school building.

N. C., Monroe—Main building and cottage of Weddington Industrial Institute, owned by Western North Carolina Conference; loss \$65,000.

N. C., Wilson—Edward Lamm's slaughter house; loss \$25,000.

Okla., McAlester—McAlester Cotton Oil Co.'s boiler and press room; loss \$50,000.

Okla., Webb City—Phillips Petroleum Co.'s plant; loss \$40,000.

S. C., Newberry—Haltiwanger & Carpenter, Inc., department store.

S. C., Timmonsville—Graded school building; loss \$35,000; address School Board.

Tenn., Chattanooga—Garmony Department store, F. W. Woolworth Main St. store and rooming house above; loss \$50,000.

Tenn., Chattanooga—Shoe shop at rear of Eastern Hotel; loss \$10,000; address R. L. Pfeiffer, Mgr.

Tenn., Dickson—John Duke's barn near Dickson.

Tenn., Knoxville—Building at 113 W. Vine Ave., owned by High L. McClung, 1111 Circle Park, occupied by Brooks & Damewood store, Lester Maxwell Furniture Co. and rooming and boarding house of Luther Hubbs; loss \$10,000.

Tenn., Lewisburg—Price-Webb school building; address Board of Directors.

Tex., Gillett—Schrier Drug Store and barber shop; Radicke Brothers' warehouse; loss \$20,000.

Tex., Granger—D. A. Bowers' feed store; loss \$12,000.

Tex., Houston—Gregory grade school for negroes; loss \$10,000; address H. L. Mills, Bus. Mgr., Houston Public Schools.

Tex., Mesquite—Sheds, offices and other buildings of Dallas Press Brick Co.'s plant.

Tex., Roane—F. W. Speed's store; loss \$20,000.

Tex., San Antonio—Blue Star Elevator Co.'s warehouse, Yoakum Bend and M. K. & T. tracks; loss \$50,000.

Tex., San Antonio—The Freidrich Manufacturing Co.'s plant at E. Commerce and Sherry St., loss about \$40,000; portion of Candyland Confectionery and the East Commerce Street Pharmacy.

Tex., San Antonio—Still of Grayburg Oil Refinery, Maverick Bldg., on Roosevelt Ave.; estimated loss \$11,500.

Tex., Venus—Methodist Church, address The Pastor, and 2 dwellings.

Va., Chatham—Whitehead & Yeatt's store, First National Bank, postoffice, plant of Crowell Automobile Co., Vicellios Bros., machine works; loss \$70,000.

Va., Crozet—White Turkey Inn; address the Proprietor.

Va., Leesburg—High School building; loss \$100,000; address Mayor C. H. Harrison.

Va., Lynchburg—Pattern storage building of the Hubbard Foundry & Machine Works, Inc., 1300 Commerce St.

Va., Portsmouth—St. Mathews apartment house at 814-16 Green St.; address the Proprietor.

Va.-Tenn., Bristol—J. C. Layman Co. building on Washington St.; loss \$15,000.

W. Va., Bluefield—Portion of Bailey Building occupied by the Bluefield Garage; loss not estimated.

W. Va., Huntington—Biggs Armory, loss \$50,000; Address Major H. H. Cornwell, Act. Adj. Gen., Charleston.

Collapsed

Okla., Halleyville—City Hall, loss \$5000; damage to Y. M. C. A. building, Chicago, Rock Island & Pacific R. R. roundhouse and shops, tracks and yardage.

Damaged by Storm

Ala., Dothan—Dothan hydro-electric power plant at Chalkers Bluff; estimated loss \$25,000. Address The Mayor.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Fla., DeLand—Benevolent Protective Order of Elks plan to erect \$25,000 building.

La., Lake Charles—Young Men's Christian Assn. plans new building.

Md., Cumberland—Benevolent Protective Order of Elks will erect lodge building, S. Center St.

Miss., Columbus—Jones Masonic Home, near Columbus, D. F. McGullough, member of Board, plans to erect \$20,000 dormitory; 2 stories, 40x100 ft., accommodate 50.

Miss., Hattiesburg—Young Women's Christian Assn., Mrs. L. L. Major, Chmn. Bldg. Comm., plans to remodel Red Circle Auditorium for quarters; stucco finish, creosote interior finish, auditorium to seat 400, gymnasium, 10 dormitory rooms, cost \$15,000; Mr. Herron, Archt.

Mo., Hollister—Ancient Free and Accepted Masons, Kansas City, purchased 130-acre tract near School of Ozarks and will construct clubhouse, golf links, tennis courts, boat house, docks and bath houses; cost \$50,000.

Okla., Halleyville—Chamber of Commerce is interested in rebuilding Young Men's Christian Assn. building noted collapsed.

S. C., Florence—Fred H. Sexton Post No. 1, American Legion, Dr. J. D. Smyser, Comdr., plans to purchase M. M. Brown residence and erect gymnasium and auditorium addition.

Tenn., Memphis—Salvation Army, Capt. W. F. Widgery, Officer in Charge, will erect Gothic type citadel on site of present structure, 58 N. Second St.; white Alabama limestone, fireproof, 3 stories, auditorium to seat 300, stage, motion picture equipment and store on first floor; recreation room, offices, classrooms, kitchen, showers on second floor; women's rooms, day nursery and gallery on third; Hubert T. McGee, Archt., Madison Ave. Bldg.

Tenn., Nashville—Grand Lodge, A. F. & A. M. will erect additional dormitories and install sewerage system at Masonic Widows' and Orphans' Home; cost \$50,000; Asmus & Clark, Archts., Stahlman Bldg.

Tex., San Antonio—Boy Scouts, Arthur Michael, Scout Comdr., selected Harvey P. Smith, National Bank of Commerce Bldg., as architect for \$50,000 Boy Scout Training Center, Broadway and Post Ave.; rustic type, brick, stone, hollow tile, stucco, logs, etc., 2 stories; equipment, \$10,000.*

W. Va., Huntington—Huntington Post No. 16, American Legion, 711 Sixth Ave., Arnet Dudding, Vice-Commdr., will erect \$10,000 gymnasium in rear of present building.

W. Va., Welch—Independent Order of Odd Fellows, A. C. Hufford, Chmn. Bldg. Comm., plans to erect \$100,000 building; 4 stories, waterproof basement, 30x115 ft.; Mahood & Van Dusen, Archts., L. C. Bldg., Bluefield.

Bank and Office

Ala., Birmingham—Jemison & Co., 221 N. 21st St., and Jemison-Seibels Insurance Co. consider erecting 3-story addition to building, Third Ave., or 10-story structure, with 7 upper floor offices for rent; elevators.

D. C., Washington—Appleton P. Clark, Jr., Archt., 816 Fourteenth St. N. W., prepared plans for Dennis office building; receiving bids.

Fla., Daytona—John A. Rogers, Archt., has prepared plans for 10-story office building.

Fla., Hollywood-by-the-Sea—Hollywood Bank & Trust Co. will erect \$250,000 bank and office building, Boulevard and Second St.; 3 stories, white marble; building now occupied by bank to be remodeled for business purposes and story added.

Fla., Jacksonville—South Atlantic Investment Corp., Graham Bldg., Thos. B. Hamby, Mgr., will erect \$35,000 office building, 329 W. Forsyth St.; 2 stories, 37.6x95 ft., brick and hollow tile, steam heat; 25 offices; Marsh & Saxelby, Archts., West Bldg.

Fla., Miami—A. J. Clayton will erect \$275,000 office building, N. E. 13th Terrace and First Ave.; 3 stories; provisions for 7 additional stories later; R. A. Preas, Archt., 16 Real Estate Bldg.

Md., Cumberland—Central Realty Corp., F. Larkin, Pres., Realty Construction Co., Flint Mich., and Atlanta, Ga., member, plans to erect \$1,000,000 office building, Baltimore and Centre Sts.; reinforced concrete and steel, first 2 stories Bedford stone, remainder buff brick with Bedford stone trim, Class A type, fireproof, marble corridor floors, 2 high-speed passenger and 1 freight elevator; barber shops, cafeteria, etc., in basement, stores on first and second floors, 150 offices above; J. W. Cook Corp., Archts., 612 Genesee Bank Bldg., Flint, Mich.

Miss., Jackson—S. W. Coons, Pres., Standard Oil Co. of Kentucky, Louisville, Ky., advises made no plans for office building.

Miss., Jackson—Deposit Guaranty Bank & Trust Co., Major Geo. Donald, and others, organizers, is having plans prepared by C. M. Kimball, Lakewood Heights, Atlanta, Ga., for bank interior.

Mo., Joplin—First State Bank of Joplin, P. A. Christman, Pres., 516 N. Wall St., organized and will remodel building, 802-04 Main St., for quarters; new front, etc.

Mo., Kansas City—G. A. Breen Co., G. A. Breen, Pres., Coca-Cola Bldg., will erect 3-story and basement office building, 24th and Grand Sts.; 116x70 ft., brick and concrete; Archer & Gloyd, Archts., A. & R. Bldg.; H. N. Noble, Struct. Engr., 716 Pioneer Trust

Bldg.; J. G. Walsh, Heating Engr., 721 Pioneer Trust Bldg.

Mo., St. Louis—Oreon E. Scott, care Oreon E. and R. G. Scott Real Estate Co., 800 Chestnut St., purchased 13-story fireproof United Home Bldg., 209-13 N. Seventh St., and will expend \$150,000 to improve and remodel; new elevators; change name to Holland Bldg.

N. C., Asheville—L. B. Jackson, Jackson Bldg., and Chas. N. Malone will have plans completed within next 2 weeks by Albert C. Wirth for \$300,000 Flat Iron Bldg., Battery Park Ave. and Wall St., fireproof, 4 stores on first floor, 32,000 sq. ft. office renting space above; bids upon completion of plans.*

S. C., Columbia—National Loan & Exchange Bank, Edwin W. Robertson, Pres., will probably begin construction of fireproof annex, Washington and Main St., by March; 22x37-ft. vault, 5000 safety deposit boxes; Lafaye & Lafaye, Archts.; Hollar Co., Vault Archts.-Engrs., Philadelphia Bank Bldg., Philadelphia, Pa.*

Tenn., Knoxville—General Building, Inc., A. P. Brown, Sec., receives bids Feb. 16 (extended date) for Tennessee General Bldg., Market and W. Church Sts.; cost \$1,000,000, 14 stories, steel frame, tile and concrete slab floors, 64.6x66x165 ft., hollow and interior tile, vaults, mail chutes, concrete floors, vault lights, ventilators, ornamental terra cotta, steel sash and trim, wire glass.*

Tenn., Memphis—Medical Arts Building, Inc., Oran Sackett, incorporator, 541 Bank of Commerce Bldg., will erect \$900,000 Medical Arts Bldg., Madison Ave. and Fourth St.; Tietig & Lee, Archts., Fourth National Bank Bldg., Cincinnati, O.; Henry J. Kramer, Asso. Archt.; bids lately noted to be opened Feb. 6.*

Tenn., Nashville—W. W. Dillon & Co., 304 Third Ave., and Geo. E. Bennie Estate will probably let contract within 2 weeks for 12 to 14-story Bennie-Dillon office building, Seventh Ave. and Church St.; bids received; 147x62.6 ft., first two stories cut stone, remainder gray brick with terra cotta trim, steel frame, reinforced concrete floors, fireproof partitions, marble and stone entrance, ornamental metal ceiling on first floor, 4 passenger and 1 freight elevator; 4 stores on first floor, next 6 floors for offices, upper floors for physicians, surgeons and dentists; assembly room, possibly roof garden; Asmus & Clark, Archts., Stahlman Bldg.*

Tex., Denton—W. E. Smoot and O. M. Curtis will erect fireproof building on site of burned structure, Oak and Locust Sts.; steel and concrete, 3 stories and basement, elevators, steam heat; 2 stores on first floor, offices above.

Tex., Houston—Fidelity Trust Co., 808 Main St., T. W. Archer, Sec., will erect 12 or 15-story office building, Austin St. and Texas Ave.; owner to occupy ground floor; drawing plans.

Tex., Laredo—Sames-Moore & Co. has low bid at \$113,741 from Chas. Schoenfeld, San Antonio, for brick and concrete, 5-story office building; Jud & Ormand, 704 N. St. Mary's St., low bid at \$16,032 for heating and plumbing, Schroeder Electric Co., 119 Ave. C, wiring at \$5983; Adams & Adams, Archts., Gibbs Bldg., all San Antonio.*

Va., Norfolk—Merchants & Planters Bank, S. L. Slover, Pres., will erect Campostella Branch, Campostella Blvd., Springfield Ave. and Wilson Rd.

Va., Richmond—First National Bank, John M. Miller, Jr., Pres., will erect \$1,000,000 annex; 7 stories about 62x102 ft., connected with main structure; Mr. Miller wires "Report our proposed building premature; nothing definite decided."

W. Va., Wheeling—Conservative Life In-

surance Co. will erect 4-story addition to Conservative Life Bldg., over Colonial Theater entrance, Market St., install 2 elevators; cost \$100,000; Chas. E. Feinler, owner, Colonial Theater, reported considering improving theater lobby.

Churches

Ala., Birmingham—Southside Baptist Church, selected Hart, Nevins, Freeland & Roberts, 167 Eighth Ave., N., as architects for \$250,000 Sunday school and recreation building; brick and stone, 4 stories, 90x212.6 ft., Address W. A. Watts, 840 Brown-Marx Bldg.*

Ala., Mobile—First Baptist Church will erect \$42,000 Sunday school annex; 3 stories, stone; J. T. Turner, Chmn., Bldg. Comm., 1551 Dauphin St.

Ala., Mobile—All Saints Episcopal Church will erect parish house. Address The Rector.

Ala., Mobile—Central Baptist Church will erect building. Address The Mayor.

Ala., Mobile—Dauphin Street Methodist Church plans to complete main auditorium. Address The Pastor.

Ala., Tuscaloosa—Monnish Memorial Baptist Church, W. H. Nicol, Chmn. Bldg. Comm., has plans completed by R. H. Hunt Co., James Bldg., Chattanooga, Tenn., for \$40,000 Spanish mission type main auditorium and \$45,000 Sunday-school, Tenth St.; former to be erected first; Archt. advises will build early spring.*

Ark., Hope—First Christian Church, Rev. R. O. Brunk, Pastor, plans to erect \$75,000 to \$100,000 building.

Fla., Clearwater—Ascension P. E. Church, Dr. A. T. Cornwell, Rector, will erect building near Harbor Oaks.

Fla., Fort Pierce—First M. E. Church, South, Rev. G. W. Stubbs, Pastor, will probably call for bids within few weeks for Spanish type building, Orange Ave. and Avenue A; Wm. A. Hatcher, Archt.; contract let to H. A. Cahow for Spanish type parsonage; hollow tile and stucco, 1 and 2 stories.*

Fla., Jacksonville—Main Street Baptist Church, Dr. Mahon, Pastor, 306 E. Sixth St., plans to erect main auditorium and 3-story Sunday-school building, Main and Eighth Sts.; cost \$200,000, oak and concrete floors, Spanish tile roof, hollow tile, rolling partitions; Jas. E. Greene, Farley Bldg., Birmingham, Ala., and Jefferson D. Powell, Archts., 7317 First Ave., N.*

Fla., Sarasota—First Presbyterian Church, Dr. A. E. Barnett, interested, selected Dwight James Baum, Spuyten Duyvil Pkwy. and Waldo Ave., New York, and Sarasota, as architect for \$150,000 church and manse, Orange and Fourth Sts.; tower; gymnasium, kitchen, etc.*

Fla., St. Petersburg—Grace Baptist Church, Rev. W. A. Hobson, Pastor, will erect building, Fourth Ave., South, and Fourth St.; probably church and office building.

Fla., South Jacksonville (Ind. Branch Jacksonville)—Grace M. E. Church, E. H. Vrieze, Chmn. Bldg. Comm., will erect \$50,000 Elizabeth Swaim Memorial Church, Marion and Pine Sts.; Spanish type, stucco, stone trim, mission tile roof, main auditorium to seat 500, Sunday-school assembly room, 300 classrooms; Mellen C. Greeley, Archt., 111 W. Adams St.

Ga., Atlanta—Chas. H. Hopson, Healey Bldg., advises work on \$100,000 first unit of \$500,000 First Christian Church probably be started early Spring; 3 stories in part, 110x190 ft., hardwood floors, concrete foundation, tar and gravel roof, hollow tile, rolling partitions, steel sash and trim.*

Ga., Columbus—Rose Hill Presbyterian Church, Dr. C. B. Tomb, Pastor, 3101 Ham-

Ilton Ave., plans to erect \$25,000 to \$30,000 two-story Sunday school annex.

Ga., Columbus—Trinity P. E. Church, Dr. A. A. Williams, Chmn., Parish House Comm., plans to erect \$70,000 parish house; T. Firth Lockwood, Archt., Murrah Bldg.

Ga., Rossville—Baptist Church, Rev. Mr. O'Quinn, Pastor, plans to erect \$25,000 Sunday-school building.

La., Baton Rouge—Church of Christ, Scientist, plans to erect building, Goldenrod Ave. and Wisteria St., Roseland Terrace. Address The Reader.

La., Haynesville—First Baptist Church, Rev. W. R. Brown, Pastor, opens bids Feb. 16 for brick building; cost about \$65,000, 2 stories with basement, about 70x120 ft., interior tile, concrete floors, vault lights, ornamental terra cotta, rolling partitions; E. F. McClanehan, Archt., Homer.*

La., Monroe—Methodist Protestant Church, Stone Ave., Rev. Stephen B. Williams, Pastor, plans to purchase new site and erect building.

La., New Orleans—Rayne Memorial Methodist Church, C. French, Chmn. Bldg. Comm., 10 Audubon Blvd., will erect \$60,000 Sunday-school building; 2 stories, brick; Emile Well, Archt., Whitney Annex.

La., Shreveport—Evergreen Baptist Church, colored, will erect \$35,000 brick building, Shreve and Christian Sts.; auditorium and gallery to seat 1000; J. P. Annan, Archt., Slattery Bldg.

Mo., Overlea—Overlea First Baptist Church, Rev. A. C. Cheatham, Pastor, Ash St. and Overlea Ave., contemplates erecting 1-story building; probably concrete.

Mo., Frederick—Evangelical Lutheran Church, Dr. U. S. G. Rupp, Pastor, plans to enlarge Sunday school building, E. Second St. Miss., Starkville—Methodist Church, Rev. V. C. Curtis, Pastor, plans to erect building; main auditorium and about 30 classrooms.

Mo., Joplin—South Joplin Christian Church, Rev. Powell Smith, Pastor, 107 N. Moffet St., will soon let contract for \$35,000 to \$40,000 building, 19th St. and Pearl Ave.; 2 stories, 80x100 ft., Carthage limestone auditorium to seat 800; completed basement to be redecorated.*

Mo., Kansas City—Second Presbyterian Church will erect \$75,000 Sunday-school addition, 55th and Oak Sts.; fireproof, native stone, 3 stories, 45x85 ft.; accommodate 900, nursery, dining room to seat 400 in basement; considering extension of main auditorium and balcony to seat 200 additional; Keene & Simpson, Archts., 1005 Land Bank Bldg.

Mo., Springfield—Central Christian Church, Judge J. H. Fairman, 1107 N. Boulevard, Chmn., Bldg. Comm., will erect \$50,000 main auditorium; later erect \$35,000 Sunday school; A. F. Wicke, Const. Archt., St. Louis.

Mo., Windsor—Christian Church, Rev. Guthrie S. Birkhead, Pastor, has preliminary plans by C. A. Smith, Finance Bldg., Kansas City, for \$35,000 building; 1 or 2 stories, brick and stone.

N. C., Raleigh—Hillsboro Street Christian Disciples Church will soon start work on \$125,000 first building, Hillsboro and St. Mary's Sts.; ultimate plans call for additional building and parsonage; Wake County stone, limestone trim, 3 stories and basement about 42x180 ft., oak and concrete floors, concrete and brick foundation, tile roof, Wilson rolling partitions; G. Lloyd Preacher & Co., Inc., Archts., Healey Bldg., Atlanta, Ga., (Raleigh Office); Address John Askew, member, Board of Trustees, Blount St.*

Okla., Kaw City—Methodist Episcopal Church, Rev. George C. Cobb, Pastor, will erect \$20,000 to \$25,000 brick building; base-

ment, main floor and balcony about 50x30 ft., cement and hardwood floors, roofing not decided, hollow tile, metal ceilings, rolling partitions, hot air fan or blower system of heat; furnishings, equipment, etc., \$6000; items to be purchased include pipe organ and seating; Mr. Cannon, Archt., Ponca City. Address Geo. S. Walker, Sec., Bldg. Comm., or Rev. Mr. Cobb.*

Okla., McAlester—All Saints Episcopal Church will erect \$18,000 brick or stone building. Address The Rector.

Okla., Madill—First Baptist Church, Rev. D. E. Hogan, Pastor, plans to erect \$10,000 building.

Okla., Madill—Methodist Church plans to erect \$40,000 brick building. Address The Pastor.

Okla., Muskogee—First Christian Church plans to erect building to seat 1500; Address M. A. Showalter, Chmn. Bldg. Comm.

Okla., Tulsa—Sacred Heart R. C. Church, Right Rev. Francis Kelley, Bishop of Oklahoma, Pastor, plans to erect brick, steel and concrete church, convert present structure into school, erect additions to school, bishop's and priests' homes, total cost \$300,000; also plans later to erect chapel in West Tulsa, complete Immaculate Conception Chapel, north side, and possibly erect 2 additional chapels.

S. C., Columbia—Lebanon Methodist Church will rebuild structure destroyed by tornado; J. Carroll Johnson, Archt.

S. C., Greenville—City View Baptist Church, Rev. E. B. Crain, Pastor, plans to erect \$55,000 building.

S. C., Spartanburg—Calvary Baptist Church, W. H. Morgan, member, Board of Trustees, plans to erect building, N. Church and Pearl Sts.

Tenn., Knoxville—Jones Chapel M. E. Church, Rev. G. R. Francisco, Pastor, plans to erect \$40,000 building.

Tenn., Knoxville—Lonsdale Baptist Church, G. L. Lewis, Chmn., Bldg. Comm., has preliminary plans by Ryno & Brackney, 505 Henson Bldg., for \$100,000 to \$150,000 main auditorium and Sunday school building, Connecticut Ave. and Bragg St.; 1-story and balcony and 4 stories, 72x72 ft. and 72x70 ft., former to seat 1500, latter 1517; kitchen.*

Tenn., Knoxville—Euclid Avenue Baptist Church, Mrs. Edith Holbrook, interested, plans to erect building.

Tenn., Memphis—Anshei Sphard Congregation, Mr. Kapell, Pres., 620 N. Manassas St., plans to erect synagogue.

Tenn., Memphis—Idlewild Presbyterian Church receives bids Feb. 24 for Ozark field stone building, Evergreen and Idlewild Sts.; cut stone trim; cost \$350,000; main auditorium to seat 1500; Sunday school section; Chas. O. Pfeil, and Geo. Awsumb, Archts., both Union Planters Bank Bldg.*

Tex., Alvin—First M. E. Church, South, J. L. Evans, Chmn., Bldg. Comm., plans to erect \$30,000 building.

Tex., Beeville—First Presbyterian Church will erect Sunday-school building; 36x62 ft.; assembly room with stage, 2 classrooms, etc. Address The Pastor.

Tex., Big Spring—Methodist Church plans to erect \$65,000 building. Address The Pastor.

Tex., Fort Worth—St. Johns Evangelical Church, Pennsylvania Ave. and Fulton St., plans to erect Sunday school annex. Address The Pastor.

Tex., McAllen—Methodist Church, Rev. Rebt. E. Armor, Pastor, plans to erect \$75,000, brick, stone and concrete building.

Tex., Rusk—Baptist Church has started work on \$60,000 building. Address The Pastor.

Va., Bluefield—Methodist Church, Rev. R. E. Early, Pastor, plans to complete building.

Va., Charlottesville—Holy Comforter R. C. Church will erect brick, stone and stucco Renaissance type building; plans by S. J. Makielski, Asst. Prof. Art and Architecture, University of Virginia.

W. Va., Charleston—Calvary Baptist Church, Rev. C. H. Harrington, Pastor, will install \$10,000 pipe organ; paint and repair interior and exterior.

Va., Danville—First Presbyterian Church, Dr. Jos. Duglinson, Pastor, will open bids about March 15 for concrete, brick and stone Sunday-school building; cost \$50,000, 3 stories, 34x100 ft., pine, maple and concrete floors, concrete foundation, composition roof, interior tile, ventilators. Address Herbert L. Cain, Archt., Grace Street Bank & Trust Bldg., Richmond.*

City and County

Ala., Rockford—Coosa County, Geo. McDonald, Probate Judge, plans to rebuild courthouse burned at \$50,000 loss.

Fla., Fort Lauderdale—City Hall Annex—City voted Feb. 21 on \$30,000 city hall annex bonds. Address City Commrs.

Fla., Tampa—Municipal Auditorium—City, W. L. Lowry, City Comm., 415 Citrus Exchange Bldg., will erect \$225,000 municipal auditorium; fireproof, steel frame, brick walls, 2 stories, hollow and interior tile, ornamental terra cotta steel sash, wire glass; F. J. Kennard & Son, Krause Bldg., and F. O. Adams, Jr., Grand Theater Bldg., Archts.*

Fla., Titusville—City Building—City will vote on \$400,000 bonds, including bonds for building to house city offices. Address City Council.

Ga., Atlanta—Municipal Building—City, Walter A. Sims, Mayor, plans to sell city hall, police barracks and 2 fire-engine houses and erect 10- to 20-story municipal building; A. Ten Eyck Brown, Const. Archt., Forsyth Bldg.*

Ga., Ludowici—Courthouse and Jail—Long County will have plans drawn by G. M. Harrington, County Engr., for \$40,000 courthouse and \$10,000 jail; brick, hollow tile, and concrete, concrete or brick foundation, probably tile roof.*

Mo., Rockville—Jail—Montgomery County, Beery E. Clark, Clk., County Court, Courthouse, contemplates erecting jail.

Mo., Liberty—Jail—Clay County Board of Commrs., W. Manley, Clk., is having plans prepared by C. A. Smith, Finance Bldg., Kansas City, for 2-story and basement brick and concrete jail.*

Mo., Mexico—Jail—Audrain County, S. P. Sunningham, County Clk., receives bids Feb. 17 for 2-story, tile roof jail, including 7 rooms for sheriff's residence; part of cell tool-proof and part Bessemer steel; plans and specifications from Ben C. Elliott, Archt., 205 Morris Bldg.*

N. C., Clinton—County Home—Samson County, Ed Crumpler, Chmn., County Commrs., will erect brick and concrete county home; accommodate 40 to 50, city lights, water system.

Tex., Cisco—Fire Station—City, R. L. Bettis, Fire Chief, contemplates erecting brick and concrete fire station.

Tex., Lamesa—City Hall—City, Jesse Walker, Mayor, is having plans prepared by Hawley & Roberts, Cotton Exchange Bldg., Fort Worth, for \$30,000; brick, tile and concrete city hall.*

Tex., McAllen—Municipal Building—City is having plans prepared by Alexander Woolridge, Harlingen, for building for fire department headquarters; brick, tile and reinforced concrete, 2 stories, 32x40 ft.; ready for bids about March 1.

Tex., Roby—Jail—Fisher County, R. B.

House, County Judge, votes Feb. 28 on \$50,000 jail bonds.

Dwellings

Ala., Birmingham—W. E. Daniel, care Daniel Furniture Co., 1814 Ave. E, will erect 5 dwellings, Eighth Avenue Blvd., Owenton-Ensley Highlands; total cost \$75,000.

Ala., Tuscaloosa—Pelham Brown and W. H. Nicol will erect number of Spanish type dwellings in the Highlands; Geo. P. Turner, Archt., Birmingham.

Ark., Greenwood—Claude Eichling will erect brick bungalow; water works system.

Ark., Little Rock—K. E. N. Cole, 4701 K St., will erect 2 brick veneer dwellings, 305-09 Ridgeway St.; cost \$8500 each.

Ark., Pine Bluff—Fulton Murphy, care Taylor & Co., 123 W. Barrett St., will erect 2 dwellings, 816-20 Georgia St.; lumber and millwork from Pine Bluff Lumber Co., 2400 W. Second St.

D. C., Washington—John W. Kearny, Archt., 1421 F St., N. W., advises has nothing to do with erection of dwellings for Washington Modern Homes Co., John DeWitt, Sec., 816 Fifteenth St., N. W., as lately reported.*

D. C., Washington—Lawrence P. Johnston, Cole Bldg., 14th and S Sts., N. W., prepared plans for \$25,000 English Tudor type dwelling, Benton and 39th Sts., Massachusetts Park; field stone and shingles, brick trim, 2 stories, 42x60 ft.

D. C., Washington—Porter & Lockie, Transportation Bldg., 17th and H Sts., is drawing plans for \$20,000 dwelling; 1½ stories, 22x40 ft., brick.

D. C., Washington—Edw. Strohecker, 1023 15th St., will erect 4 frame dwellings, Floral St., N. W.; 2 stories, 22x52 ft.; T. M. Medford, Archt., 172 U St., N. W.

Fla., Daytona—The Francis-Pickering Co., Leslie E. Francis, Pres., 120 Orange Ave., will erect dwellings. (See Buildings Proposed—Miscellaneous.)

Fla., Frostproof—Mrs. L. F. Patterson will erect 8-room bungalow, Lake Clinch; 2 stories.

Fla., Miami—Louis Nathan, Pres., Northern Development Co., 59 N. E. Second St., will erect \$20,000 residence, N. W. 11th Ave. and Adams Drive; Spanish type, 2 stories, concrete block and stucco, garage and servants quarters, 2 baths; Robt. Channie, Archt., 207 Professional Bldg.

Fla., Miami—W. I. Phillips, 2144 N. E. Second Ave., will erect \$40,000 residence and garage, Belmar; hollow tile, stucco and frame, 1 story, 80x75 ft., oak and concrete floors, concrete foundation, built-up roof, ventilators, warm air force blast heating. Address Owner care Chas. P. Nieder, Archt., Calumet Bldg.*

Fla., Miami Beach—W. D. Alexander will erect \$18,000 residence, Sunset Lake sub-division; W. F. Brown, Archt., 6 Real Estate Bldg., Miami.*

Fla., Miami Beach—E. R. Dumont, Pres., Monray Corp., 224 Calumet Bldg., Miami, will erect 25 Spanish type dwellings, Collins Ave., Lake View section.

Fla., Orlando—Thos. A. Fahey will erect 3 2-story, 2-family dwellings, Adair Circle; frame and stucco, cost \$4500 each.

Fla., Sarasota—Falty Associates, S. W. Gumpertz and others, interested, will erect 50 dwellings, Washington Park.

Fla., Sarasota—Chas. Warren Roble, Vice-Pres., American Railway Express Co., New York and Sarasota, will erect winter residence, Siesta Key.

Fla., Tampa—Mrs. M. C. Fowler, Hillsboro Hotel, will erect residence, Temple Terrace.

Fla., Tampa—Collins D. Gillett will erect residence, Temple Terrace.

Fla., Tampa—T. M. Anderson, Pres., Ander-

son Dental Supply Co., Stovall Bldg., will erect \$18,000 Pettaway Bldg., Spanish type residence, Grove Park Ave., Beach Park; B. C. Bonfoey, Archt.

Fla., West Palm Beach—James Ebert Co. plans to erect 18 dwellings; cost about \$9000 each.

Ky., Whitesburg—Harry Brown will erect residence; contract at once. (Lately noted under Ky., Hazard.)*

La., New Orleans—Geo. Parnell, 2102 Louisiana Ave., plans to erect double raised cottage, Delachaise and Galvez St.

La., New Orleans—Chas. Sintes, 5763 West End Blvd., will erect 2 double cottages, Lakeview.

La., New Orleans—Geo. Politano will erect \$10,500 double cottage, Elk and Lopez Sts.

La., New Orleans—Jos. Reuther, 1520 Orleans St., will erect raised double bungalow, Delgado Ave.

La., New Orleans—A. L. Erest, 3901 Washington Ave., will erect 2 double 4-room cottages, Third and Fourth Sts.

La., New Orleans—F. M. Sheen, 2800 Chartres St., contemplates erecting residence, Metairie Ridge.

La., New Orleans—Robt. J. Silva, 2313 N. Prieur St., plans to erect double cottage, Johnson and Spain Sts.

Md., Baltimore—Burtes & Buffett, 3500 Fairview Ave., will erect \$35,000 residence; 2 stories, 45x30 ft., brick; Geo. E. Stone, Archt., 2101 N. Charles St.

Md., Baltimore—Sidney W. Gehlert will erect 6 dwellings, E. side Morley St. S. of Caton Ave.; 2 stories, brick; total cost \$25,000.

Md., Baltimore—Suburban Realty Co. will erect 9 dwellings, W. side Pimlico Rd. N. of Summit Ave.; 2 stories, 19x25 ft., brick; total cost \$30,000.

Md., Baltimore—Jas. M. Toohey will erect \$12,000 frame cottage, E. side Old Orchard Rd. S. of Edmondson Ave.; 31x25 ft., 2 stories.

Md., Baltimore—Highland Homes Building Co., Montpelier St. and Cecil Ave., will erect 22 dwellings, 2500-42 Asquith St.; 2 stories, brick; total cost \$50,000.

Md., Baltimore—J. Murdock Dennis, Pres., Dennis & Co., Inc., Chamber of Commerce Bldg., purchased residence, N. W. cor. University Pkwy. and 39th St., and will improve.

Md., Baltimore—G. Bernard Lohmuller, 3001 Greenmount Ave., will erect 12 two-story brick dwellings, W. side Maple Ave. near Woodberry Ave.; total most about \$28,000.

Md., Baltimore—Frank Novak Realty Co., Gunther Bldg., will erect 83 two-story brick dwellings, 2801-83 and 2800-82 Mayfield Ave.; total cost \$300,000.

Md., Baltimore—Mrs. Cecelia J. Rowland will erect Dutch Colonial type residence, Joppa Rd. near Charles Street Ave.; frame, 10 rooms, garage; Geo. Schmidt, Archt., 9 E. Pleasant St.

Md., Baltimore—Edgewood Development Co., will erect 6 cottages, S. W. side Liberty Heights Ave. near Gwynn's Falls Pkwy.; 2 stories, 24x30 ft. and 30x30 ft.; total cost \$25,000.

Md., Baltimore—Frank A. Glantz, 3444 Eastern Ave., will erect \$16,000 residence and garage, Wendover Rd. E. of Charles Street Ave.; 2½ stories, 38x29 ft., brick.

Md., Baltimore—Jack A. Reich will erect residence, Edmondson Ave. near Ingleside Ave.

Md., Easton—A. J. Grymes, Orange, N. J., plans to erect \$50,000 residence, Tred-Avon River; 1-story, hollow tile and stucco; Chas. E. Birge, Archt., 29 W. 34th St., New York.

Mo., Clayton (Ind. Branch St. Louis)—R. A. & G. B. Bullock, 314 Fullerton Bldg., will erect \$35,000 residence and garage, 6339 Ellenwood Ave.; 2 stories and basement, 40x

68 ft., brick; Nolte & Naumann, Archts., Fullerton Bldg., St. Louis.

Mo., Columbia—Lakeman Price, Guitar Bldg., will erect \$17,000 residence, Country Club Addition; 2 stories and basement, 30x48 ft., stucco on tile; J. B. Tracy, Archt., 511 Guitar Bldg.

Mo., Columbia—Dr. Dudley A. Robnett, care Parker Furniture Co., will erect \$18,000 residence, Country Club Addition; 1½ stories and basement, 63x30 ft., stucco on tile; J. B. Tracy, Archt., 611 Guitar Bldg.; ready for bids about Feb. 15.

Mo., Fulton—W. W. Jayne, Jr., Mgr., Payne-Roth Grocery Co., plans to erect bungalow, Nicholas St.

Mo., Kansas City—Keith Campbell, care General Motors Acceptance Corp., 1109 Federal Reserve Bank Bldg., will erect \$30,000 residence, 59th St. and High Drive; 2 stories and basement, 75x40 ft., brick veneer and frame; Holde, Ferris & Barnes, Archts., 1021 A. & R. Bldg.

Mo., Kansas City—Dr. F. J. Moennighoff purchased homesite, Brookwood Rd., Mission and High Drives, Mission Hills.

Mo., Jefferson City—Herman Hopen will erect residence, 927 W. High St.

Mo., St. Joseph—E. C. Buehler, 1404 Chas. St., will erect frame stucco residence, 1702 Crescent Drive.

Mo., St. Joseph—Hutchinson Lumber Co., 14th and Mitchell Sts., will erect frame stucco dwelling, 2702 Felix St.

Mo., Sarcoux—Mrs. Sue Moore & Son will erect 6-room bungalow.

N. C., Charlotte—Gov. Cameron Morrison selected John Nolan, Cambridge, Mass., to prepare plans for landscaping residence site, Sharon Rd.; gardener's, superintendent's and other employees' dwellings in addition to personal residence.*

N. C., Durham—John A. Mack, Buchanan Blvd., will erect \$12,000 residence.

Okla., Tulsa—H. E. Hanna, 510 S. Quincy St., will erect \$10,000 frame dwelling, 319 E. 18th St. and \$4000 dwelling, 1220 S. Wheeling Ave.

S. C., Greenville—Dr. R. E. Houston, Professional Bldg., will erect \$10,000 residence, 411 E. Washington St.

Tenn., Knoxville—Fielden & Waller, 212 W. Vine Ave., will erect 4 brick veneer dwellings, White Ave. near 17th St.; total cost \$48,000.

Tex., Dallas—Kirkgard Building Co., will erect \$15,000 dwelling 6147 Linden St.; 7 rooms, brick veneer.

Tex., Dallas—C. M. McNatt will erect 3 brick veneer cottages, 624-28-30 Brandon St.; 6 rooms; total cost \$16,500.

Tex., Dallas—Bessie Waddell will erect \$16,500 residence, 6503 Gaston St.; 9 rooms, brick veneer.

Tex., Littlefield—A. G. Hemphill will erect California type bungalow; 11 rooms; G. S. Glenn, Archt., Lawton, Okla., and Littlefield.

Tex., Littlefield—J. M. Stokes will erect 6-room residence; G. S. Glenn, Archt., Lawton, Okla., and Littlefield.

Tex., San Antonio—Mrs. R. E. Lee, 305 San Pedro Ave., will erect \$15,000 Colonial residence; 2 stories, frame; Harvey P. Smith, Archt., National Bank o' Commerce Bldg.; ready for bids.

Tex., San Marcos—Dr. C. H. Aiken will erect 1-story and basement residence; brick veneer, oak floors, composition roof, hot air heat; Roy L. Thomas, Archt., Littlefield Bldg., Austin.

Tex., Waco—First Presbyterian Church, Rev. C. T. Caldwell, Pastor, 1004 Washington St., has plans by E. M. Ross for \$10,000 2-story brick veneer manse; all material is purchased locally.*

Va., Richmond—C. H. Fentress will erect \$22,500 brick residence.

Va., Richmond—Realty & Finance Corp., 106 N. Eighth St., Gen. Agents for Hammond Place, announced plans for 3 dwellings, Shirley Ave.

Government and State

Tenn., Nashville—Capitol Improvements—State Department of Public Works contemplates improving State Capitol; new heating system, electric fixtures, floor covering, clean outside walls.

Va., Petersburg—Armory—City, Dr. W. F. Drewry, City Mgr., will erect armory for Virginia National Guard, Ernest S. Jones, Maj.; 2 stories, 113x129 ft., concrete and hardwood floors, brick foundation, metal doors, ornamental terra cotta, steel sash and trim, Barrett specification roof; plans and specifications from Coope Lal, Archt., 14 Daw Bldg.; bids opened Feb. 10.*

W. Va., Alderson—Federal Prison—Government, Jas. J. Davis, Sec. of Labor, selected Alderson as site for new Federal industrial institution for women; accommodate 1200 with staff of 200; plans include \$110,000 receiving building, \$100,000 kitchen and mess hall, 6 cottages, total cost about \$300,000, \$95,000 power house, \$40,000 shop equipped with power sewing machines, \$30,000 laundry, \$25,000 farm building, \$191,000 for water, electricity, telephones, grading, sewers and steam mains; total expenditure about \$972,000.

W. Va., Parkersburg—Postoffice Changes—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids March 5 for new mailing platform, changes in mechanical equipment of postoffice; drawings and specifications from Custodian at site or from office Supervising Archt.

Hospitals, Sanitariums, Etc.

D. C., Washington—Florence Crittenton Home, Mrs. T. E. Robertson, Pres., Board of Mgrs., 6 W. Melrose St., Chevy Chase, Md., reported to receive bids Feb. 14 for nurses' home and dormitory; 4759 Conduit Rd., N. W.; cost \$200,000, 3 and 1 story, brick, A. P. Clark, Jr., Archt., 816 Fourteenth St., N. W.

Fla., Ocala—City Edw. Drake, City Mgr., voted March 3 (lately noted Feb. 3) on \$85,000 fireproof hospital bonds.*

Fla., Orange Park—Loyal Order of Moose will erect \$50,000 hospital at Moosehaven. Address P. H. Galvin, Rochester, N. Y.; will also erect bungalow.

La., Shreveport—Shrine Hospital for Crippled Children will make number of improvements.

Mo., Excelsior Springs—United States Veterans' Bureau, L. H. Tripp, Ch. Construction Div., Arlington Bldg., Washington, D. C., plans improvements at U. S. Veterans' Hospital No. 99. W. E. Chambers, S. M. O. in Charge; Mr. Tripp advises project in tentative stage only; no details available.

N. C., Durham—Watts Hospital, John Sprunt Hill, Chmn., Board of Trustees, instructed Atwood & Nash, Archts., Chapel Hill and Durham, to receive bids for dining room addition and 12-room addition to nurses' home, cost \$50,000; consideration of \$150,000 forty-bed hospital addition later.*

Okla., Miami—Ottawa County, W. M. Thomas, County Judge, considers erecting tuberculosis hospital.

Tex., Robstown—Robstown General Hospital, Dr. J. M. Thompson, Mgr., will erect \$25,000 building; 2 stories, 36x70 ft., brick and hollow tile, 15 ft. high. L. Sumrall, Archt.; bids about March 1.

Tex., San Angelo—Concho Valley Baptist Assn. plans to purchase San Angelo Hospital operated by Dr. H. P. Rush, erect 3-story fireproof brick and stone building and convert present structure for superintendent's and nurses' home.

Hotels and Apartments

Ala., Monroeville—Hotel Committee consisting of L. J. Bugg, Chmn.; I. B. Slaughter, J. A. Lazenby and others appointed to select site and draw plans for 40-room hotel.

Ark., Russellville—R. B. Oliver and others, care Revilo Hotel, Little Rock, take bids about April 1, for 75-room, reinforced concrete, brick and stone hotel building; private baths.

D. C., Washington—St. Stephen's Church, represented by G. B. Selden, 1351 Ingram St., N. W., contemplates erecting \$200,000, 4-story, brick apartment building at Newton and Centre Sts.; R. Tappan, Archt., 28 Whitson St., Forest Hills, N. Y.

D. C., Washington—F. L. Sandon, 920 17th St. contemplates altering residence into 4-story, 29x70 ft., stone, 6-apartment and office building, Dupont Circle, N. W.; Snowden Ashford, 1707 Eye St., N. W., probably Archt.

D. C., Washington—Washington Modern Homes Co., John Dewitt Sec., 816 15th St., N. W., has plans by J. W. Kearney, 1421 F St., N. W., and will soon let contract for \$1,000,000, 11-story and basement, 102x116 ft., brick, terra cotta and cast stone commercial hotel and 5-story building, Tenth and E Sts., N. W.

Fla., Fort Lauderdale—J. S. Shingler, Maccon, Ga., is reported to erect 50-room hotel at Fourth St. and Andrews Ave.; Frances Abreu, Archt.

Fla., Jacksonville—Cohen Brothers, St. James Bldg., owners of department store, will donate \$10,000 toward fund for erecting tourist hotel and golf course; address P. W. Zacharias, Gen. Mgr.

Fla., Miami Beach—Parry E. Haworth will soon have plans by Hampton & Ehmann, 100 New Congress Bldg., Miami, for \$125,000, 3-story, 90x150 ft., Spanish type, 34-apartment building, Pennsylvania Ave. and 14th St.; yellow pine and oak floors, concrete foundation, composition built-up and tile roof, reinforced columns and beams, cement block walls, interior frame; to be first of series of similar buildings.*

Fla., Miami Beach—Walter J. Reid, owner of New York Hotel, Fifth St., contemplates enlarging.

Fla., New Smyrna—Gene Robinson, Live Oak, and L. B. Bouchelle, Jr., purchased property at Canal and Live Oak Sts., and will convert 2 upper stories of present frame building into hotel.

Fla., Palm Beach—Owner, care J. E. R. Carpenter, Archt. & Engr., 598 Madison Ave., New York City, has plans in progress for brick and stone hotel building, reported to cost \$1,000,000.

Fla., St. Petersburg—Elizabeth L. Cribbets will erect \$10,000, 2-story, frame, 3-apartment building and garage at 510 Eighth St., north.

La., New Orleans—James A. Ross, 711 Union St., will take sub-contract bids on all work for tenement building on Washington between Toledano and Rocheblave Sts.; ready to build in month.

Md., Baltimore—Fenway Apartment Co., care George R. Debnam, Jr., has completed plans by Parker, Thomas & Rice, both Union Trust Bldg., for 4 or 5-story, \$150,000, white stucco, Spanish design, 12-suite apartment building at 3404 St. Paul St.; each to consist of living room, dining room, kitchen, pantry, 2 or 3 bedrooms and bath.

Md., Baltimore—Morris Schapiro, John D. Roney, both 803 S. Hanover St., and Herman

Scheer, Equitable Bldg., purchased site, Park Ave. and Centre St., and plan to erect 12-story hotel to cost \$4,000,000 to \$5,000,000.

Miss., Wiggins—Chamber of Commerce has started movement for erecting 2-story, brick hotel on Main St., 40 rooms each with bath.

Mo., Jefferson City—F. J. Edmonds will erect two apartments on East Capitol St.

Mo., Kansas City—J. R. Woolfork, 406 Hutzinger Bldg., contemplates erecting \$20,000, 3-story and basement, brick and wood, 3-story and apartment building at Schaefer Ave. and Broadway; private plans; probably mature in fall.

Mo., Kansas City—Harvey Stivers leased N. E. cor. Armour Blvd. and Troost Ave., plans to remodel present 4-story apartment building; will probably erect shops.

Mo., Normandy—Victor Massa, care Archt., has preliminary plans by J. D. Paulus, 4729 Northland, St. Louis, for remodeling residence into 2-story, brick, 4-family apartment building; \$16,000.

Mo., St. Louis—I. Agatstein, 245 Union Blvd., has plans in progress by O. J. Popp, Archt., Arcade Bldg., for \$40,000, 3-story, 60x60-ft., brick, 6-suite apartment building on Southwood Ave.

Mo., St. Louis—Anderson, Stocke, Bauermann Realty Co., 808 Chestnut St., has plans in progress by O. J. Popp, Archt., for \$150,000, 3-story and basement, brick and reinforced concrete, 30-suite apartment building, Cabanne and Hamilton Aves.

Mo., St. Louis—L. Goldstein, care Archt., has plans in progress by O. J. Popp, Archt., for \$18,000, 2-story and basement, brick, 4-family apartment building, Rowan near Ridge St.

Mo., St. Louis—Walter Newman, 3547 S. Jefferson Ave., has plans in progress by O. J. Popp, Archt., for \$20,000, 2-story and basement, 26x60 ft., brick, 4-family apartment building, Dakota and Pennsylvania Aves.

Mo., St. Louis—John J. Doyle, 2 Arundel Place, plans to erect \$250,000 apartment and shop building to be known as "Margaret Block," at Lindell Blvd. and Whittier St.; 3 stories, fireproof, brick, terra cotta trim; 3 shops and 22 apartments; Walter F. Sheehan, Archt., 6192 Westminster St., will supervise construction.

Mo., St. Louis—Housam Realty Co., International Life Bldg., has sketches by Norman B. Howard, International Life Bldg., for 6-story, brick, 40-suite addition to apartment building, McPherson and DeBaliviere Sts.

Mo., St. Louis—Fred Rodefeld, 1910-A John Ave., taking bids on all separate contracts for \$18,000, 2-story, 27x50 ft., 20x40 ft., brick, 2-family apartment building and garage, 4600 W. Florissant Ave.; Gerhard Becker, Archt., Ferguson, Mo.

Mo., St. Louis—Levitt Corp., 5269 Delmar St., of St. Louis, Samuel Levitt, Pres., purchased Marquette Hotel building, 18th St. and Washington Ave., and will remodel and renovate.

Mo., Springfield—Charles Sansone has taken over Colonial Hotel and will make improvements in equipment; will probably build roof garden in spring.

N. C., Greensboro—N. Miras has leased third, fourth and fifth floors of Huntley-Stockton Hill Furniture Co., N. Elm St.; will convert into hotel; 60 rooms.

N. C., Greensboro—Greensboro Bank & Trust Co. considering erecting 13-story hotel building on site of burned Orpheum Theater building, to cost \$900,000; 72x150 ft., contain 250 rooms, bank on part of first floor.

N. C., Troy—Dr. A. F. Thompson is considering converting 3-story and basement, brick and steel building into hotel.

N. C., Wilmington—W. H. West has leased

Hotel Wilmington. Front and Walnut Sts., and will expend \$11,000 for interior improvements.

N. C., Winston-Salem—Roaring Gap, Inc., Leonard Tufts, Pres., Pinehurst, will soon let contract for \$100,000, 4-story, 182x37 ft., stone hotel building; oak and pine floors, stone foundation, slate roof, interior tile, metal doors, steel sash and trim, wire glass, 1-pipe steam heat, 1 passenger elevator; following contractors bidding on work: Greer & Lowrance Co., Statesville; E. C. Derby, Fayetteville; General Building Co., Boston, Mass.; Porter & Beck, Greenville; J. A. Gardner, 211½ N. Tryon St., and J. A. Jones Construction Co., Realty Bldg., Charlotte; Charles Barton Keene, Archt., 1218 Chestnut St., Philadelphia, Pa.*

Okl., Oklahoma City—G. T. Blankenship, Braniff Bldg., selected Hawk & Parr, Cotton Exchange Bldg., to prepare plans for proposed \$1,000,000, 10-story apartment building, 16th and Robinson Sts., stores on first floor.*

S. C., Caesar's Head—Sam R. Zimmerman, Pres. of Paris Mountain-Caesar's Head Co., announced plans for remodeling and renovating hotel; plan to erect new hotel in future.

Tenn., Chattanooga—George Fillauer, 930 East Third St., will open bids about Aug. 1st. for \$75,000, 3-story, 140x94 ft., brick and concrete store and apartment building, McCallie and Central Aves.; gravel roof, concrete foundation, hollow tile, interior tile, metal ceilings, hardwood and concrete floors, ventilators, ornamental terra cotta, rolling partitions, steel sash and trim, wire glass; Archt. not selected.*

Tenn., Memphis—Forrest Park Hotel Co., Fred Callahan, Pres., 1613 Peabody St., has plans in progress by Louis G. Carlisle, Falls Bldg., for hotel building at S. E. cor. Dunlap St. and Union Ave., on former site of Lucy Brinkley Hospital; \$200,000, 100 rooms.

Tex., Dallas—R. W. Athey will erect \$10,000, 24-room, brick veneer, 12-apartment building, 109 W. Ninth St.

Tex., Dallas—D. W. Boone, 3914 Munger St., will erect \$24,000, 24-room, brick veneer, 8-apartment building, 1308 Peabody St.

Tex., Dallas—W. S. Skiles, 222 Kings Highway, will erect \$20,000, 24-room, brick veneer, 8-apartment building, 1122 King's Highway.

Tex., Gonzales—Chamber of Commerce conferred with Mr. Reyburn of Reyburn Engineering & Construction Co., Kansas City, in regard proposed 75-room hotel.

Tex., Haskell—Haskell Hotel Co. elected John W. Pace, J. H. Fields and others to purchase site, secure tenant and let contract for 35 or 40-room hotel.

Tex., Lubbock—L. C. Skinner, 162 Katherine Court, San Antonio, plans to erect apartment house or dormitory for students of Texas Technological College.

Tex., San Antonio—J. M. Nix & Co., 205 E. Travis St., will open bids Feb. 21 for \$125,000, brick and concrete, 8-story addition to Lanier Hotel Building, St. Mary's and Travis Sts.; Henry T. Phelps, Archt., Hicks Bldg.*

Va., Danville—L. Francisco, owner of Francisco Building, plans to convert top floor into suites of apartments.

Va., Norfolk—Ford Annex Hotel Corp., R. T. Lipscombe, Pres., Graydon Court Apt., will soon start work on annex on property adjoining Ford Tract.

Miscellaneous

Fla., Daytona—The Francis-Pickering Co., Leslie E. Francis, Pres., 120 Orange Ave., will erect golf clubhouse, school, homes, etc.; now erecting office building in connection with development of property 6 miles south of Daytona, on Dixie Highway.

La., Baton Rouge—Clubhouse—Westdale Golf & Country Club, C. I. Fiero, Pres., 738

S. Boulevard St., will select architect March 2, for proposed clubhouse; Seobell & Seigfried has started work on golf course.

La., Shreveport—Clubhouse—Broadmoor Golf Assn. plans construction of 9-hole golf course, clubhouse, swimming pool, tennis courts, etc., in Broadmoor; Clarence W. King, Archt., Giddens-Lane Bldg.; Charles Manning will supervise landscaping plans.

Miss., Columbia—Mr. McKenzie of McKenzie & Barnes will erect building for lunch room.

Mo., Kansas City—Clubhouse—Cliff House Club, R. W. Wilson, Pres., care Traffic Truck Sales Co., 1809 Locust St., has sketches by J. F. Lauck, 1004 O'Leary Leslie Bldg., for 2-story, native stone and half-timber country club and golf course; mature in summer or fall.

Mo., Kansas City—Dance Hall—Eddie E. Kuhn, 1412 E. 35th St., is heading syndicate for erection of 150x250 ft. dance hall; terra cotta exterior, include lobby with lounges on either side, mezzanine or balcony on second floor level; McKechnie & Trask, Archts., 719 Gloyd Bldg.

Mo., St. Joseph—Community Hall—South Side Commerce Club is promoting erection of community hall in South St. Joseph; A. H. Ehrlich, Chmn. industrial division.

Mo., St. Louis—Convent—St. Boniface Parish, care Rev. H. Nieters and Rev. George Dreher, 7623 Minnesota Ave., has plans in progress by Coviubia and Henderson, Arcade Ave., for \$40,000, 2-story, 40x75 ft., brick and cut stone convent at 7200 S. Michigan Ave.

Mo., St. Louis—Restaurant—Joseph Garaville, 5701 De Giverville Ave., has plans in progress by Coviubia and Henderson, Arcade Bldg., for 1-story and basement with balcony, brick restaurant, De Baliviere and De Giverville Aves.

N. C., Charlotte—Cafeteria—S. & W. Organization, 20-24 W. Trades St., will expend \$50,000 for enlarging and remodeling cafeteria.

Okl., Clinton—Clubhouse—Clinton Country Club will build clubhouse, tennis courts and lake.

Tex., Corpus Christi—Clubhouse—Corpus Christi Yacht Club, care F. L. Halsteal, has plans in progress by Callaway & Milton for \$45,000, 100x100 ft. clubhouse.

Tex., San Antonio—Clubhouse—Woman's Club of San Antonio, Mrs. Henry Drough, Chmn. Ways and Means Comm., has plans in progress by Atlee B. and Robt. M. Ayres, 626-7 Bedell Bldg., for \$125,000, 3-story and basement, fireproof, reinforced concrete frame, faced with brick and backed up with hollow tile clubhouse; terrazzo and tile floors, artificial stone trimming, metal lath partitions; Richard Vander Stratten, Asso. Archt., Hicks Bldg.*

Tex., Slaton—Clubhouse—Spring Lake Country Club will erect clubhouse and golf course on 100 acres recently purchased.

Tex., Waxahachie—Home—Travelers' Protective Assn., Deere Bldg., Dallas, considering site for proposed home for old members.

Tex., Waxahachie—Community Center—Bertram C. Hill, Interurban Bldg., Dallas, is preparing plans for \$10,000 community center; one story, brick veneer; auditorium to seat 250 people.

Va., Richmond—Clubhouse—Riverside Club Board of Trustees contemplate constructing 18-hole golf course and clubhouse.

W. Va., Welch—Clubhouse—McDowell County Country Club will start work on clubhouse in March; will construct 40x80 ft. concrete swimming pool.

Railway Stations, Sheds, Etc.

La., Kinder—E. A. Hadley, Ch. Engr.,

Missouri-Pacific R. R. Co., St. Louis, advises that the company has no knowledge of proposed union station at Kinder as lately reported.*

Okl., Guthrie—Oklahoma Railway Co., G. B. Treat, Engr., drawing plans for \$35,000 terminal station.

Schools

Ala., Atmore—Escambia County Board of Education will rebuild high school building recently burned; T. H. Wainwright has contract for razing walls and clearing site.

Ala., Brighton—Jefferson County Board of Education, Birmingham, selected Edwards site, Main and Church Sts., for proposed school building; C. L. Farley, Pres. Board of Trustees.

Ala., Faunsdale—Marengo County Board of Education, M. H. Killingsworth, Supt., will soon let contract for brick school building.

Ala., Gadsden—Building Committee of Board of Trustees of Alabama School of Trades and Industry adopted plans for first unit, as submitted by Dr. J. W. Abercrombie, State Supt. of Education, Montgomery; will house 58 boys, red face brick against hollow tile walls with gable roof, steam heat, cold and hot running water; will erect shop building later; will let contract within 2 weeks.*

Ark., Jonesboro—Jonesboro College, Dr. J. N. Mallory, Pres., contemplates erecting \$90,000, 3-story, brick, fireproof 200x40 ft. dormitory; concrete floors and foundation, tile roof, hollow tile, interior tile, metal ceilings, ventilators, ornamental terra cotta; archt. not selected. Address P. C. Barton.*

Ark., Morrilton—Board of Education contemplates school building program to include erection of high school building; address Prof. H. A. Woodward, Supt. of Schools.

Fla., Clearwater—Pinellas County Board of Public Instruction, R. S. Blanton, Supt., approved bond issues totaling \$1,784,000, and will call elections Feb. 27, as follows: St. Petersburg, \$1,160,000; Safety Harbor, \$55,000; Largo, \$75,000; Clearwater, \$224,000; Lellman, \$165,000; and Dunedin, \$105,000.*

Fla., Daytona—The Francis-Pickering Co., Leslie E. Francis, Pres., 120 Orange Ave., will erect school building. (See Building Proposed—Miscellaneous.)

Fla., St. Petersburg—School Board has permit for \$30,000 addition to Euclid Blvd. school at Tenth Ave. north.

Fla., Sulphur Springs (R. Sta. Tampa)—Hillsborough County Board of Public Instruction, Tampa, will call election March 10 on \$100,000 bonds, in Sulphur Springs Special School Tax District, for erecting building and purchase of property and equipment.

Fla., West Palm Beach—St. Ann's Catholic Church will receive proposals until March 2, for erecting school building; plans at Parsonage or office of J. C. Gault, Archt., Room 8 Real Estate Bldg., Miami.

Fla., Winter Park—Rollins College, President Weir, contemplates erecting Lucy A. Cross dormitory.

Ga., Montezuma—Board of Trustees of Montezuma School District will erect brick veneer colored school building; auditorium with capacity of 450; 8 classrooms.

Ga., Rome—Adolph S. Ochs, publisher of New York Times, announced plans for raising \$1,000,000 for Berry School.

La., Basile—Evangeline Preparatory School, H. G. Patterson, Pres., Board of Trustees, will rebuild administration building noted burned, first unit to cost \$25,000, brick; ultimate expenditure \$100,000.

La., Franklin—Wm. R. Burk, Archt., Balter Bldg., Baton Rouge, will soon call for bids for \$45,000, 2-story, brick parochial school building; contain 12 rooms.

La., Monroe—Ouachita Parish School Board will soon call for bids for third and part of fourth unit of high school, and will start work in March; J. W. Smith, Archt., Ouachita Bank Bldg.*

Md., Baltimore—Sisters of Visitation, Park Ave. and Centre St., will erect academy and convent, Roland and Belvidere Aves.

Md., Bowie—State of Maryland, Board of Education, A. S. Cook, Supt., Lexington Bldg., receives bids until Feb. 18 for boys' dormitory and administration building and alterations and additions to present girls' dormitory; plans and specifications may be obtained at office Smith & May, Archts., 763 Cavert Bldg.; mechanical equipment plans and specifications may be obtained from Huldreich Egli, Const. Engr., 425 St. Paul Place; all Baltimore.*

Md., Dundalk (Br. of Baltimore)—Lady of Mt. Carmel Church, Rev. Father Jacques, contemplates erecting 1-story, stone convent and church and 2-story, \$50,000, 52x72 ft., stucco and terra cotta school building; wood and concrete floors, concrete foundation, metal ceilings; E. G. Blanke, Archt., 337 St. Paul St., Baltimore.

Miss., Columbus—Jones Masonic Home School for Boys Board of Managers, care D. F. McCullough, plans to erect \$20,000, 40x100 ft., 2-story dormitory.

Miss., Natchez—Board of Trustees of City Schools approved modifications to specifications for \$75,000 school building, and will open bids Feb. 24; William Steitenroth, Archt.; recently rejected all bids.*

Miss., Summit—Miss Nanie Willis, Sec., Magnolia, receives bids until Feb. 27 for plumbing and heating in administration building and girls' dormitory at Pike County Agricultural High School; C. H. Lindsley, Archt., Lamar Life Bldg., Jackson.*

Miss., Tremont—Itawamba County Board of Education, Fulton, will erect school building; bonds voted; Mantachie consolidated district erecting school building.

Mo., Bethany—School Board plans to build addition to school building; William H. Saylor, Archt., 309 Mutual Bldg., Kansas City, planned 50-ft. wing, 3 stories, \$30,000, to provide auditorium.

Mo., Carthage—Ozark Wesleyan College, Dr. Wm. Wirt King, Pres., will probably have plans by Bonsack & Pearce, Republic Bldg., St. Louis, this week, and call for bids for \$350,000 administration building.*

Mo., Eagleville—Board of Education has sketches by H. E. Wagenknecht, 313 S. 8th St., St. Joseph, for \$30,000, 1-story and basement, 116x93 ft., brick and concrete consolidated school building.

Mo., Harrisonville—Board of Education, D. C. Barnett, Clerk, opened bids for erection of \$67,000, 2-story and basement, brick and stone high school building; Chas. A. Smith, Archt., Finance Bldg., Kansas City.*

Mo., North Kansas City—Board of Education, Dr. H. M. Dagg, Pres., Pioneer Bldg., will be ready for bids about Feb. 1st for \$190,000, 2-story and basement, 40x176 ft., brick, stone and reinforced concrete, High and grade school building, 23rd and Char lotte Sts.; H. D. Pampel, Archt., 702 Finance Bldg.; Hans Von Unwerth, Struct. Engr., 708 Finance Bldg.; both Kansas City.

Mo., Oran—Board of Education, J. D. Bowman, Pres., will take bids about Feb. 15th, for \$48,000, 2-story, 110x127 ft., brick and artificial stone trim high school building; H. F. Lindsay, Archt., McKoy Bldg., Sikeston.

Mo., St. Louis—Washington University, Skinker and Forsythe Aves., will have plans in 2 months for \$250,000, 2-story and basement, 69x204 ft., reinforced concrete, granite and Indiana limestone Fine Arts School; Jamieson & Spearl, Archt., Arcade Bldg.

N. C., Asheville—City Commissioners employed C. Gadsden Sayre, Greensboro, to prepare plans for school buildings to be erected from proceeds of recent \$550,000 bond election; W. L. Brooker, Supt. of Schools.*

N. C., Durham—School Board has acquired property on East Holloway St., and reported to contemplate erecting grammar school building.

N. C., Hendersonville—School Board, A. W. Honeycut, Supt., has plans by E. G. Stillwell, Fourth Avenue, West, for 3-story, fireproof elementary and high school building for which \$280,000 bonds were recently voted; brick walls, concrete floors and roof, wood, tile and composition floors, built-up roof, interior tile, vaults, ventilators; plans ready Feb. 10.*

N. C., Swannanoa—Buncombe County Board of Education, Frank L. Wells, Sec., opens bids this week for school building in Swannanoa school district; T. E. Davis, Archt., 20½ Spruce St., both Asheville.*

Okla., Enid—Alumni Assn. of Enid Business College, L. A. Chenoweth, Chmn. Bldg. Comm., contemplates erecting school building.

Okla., Farry—Board of Education has plans by W. V. Street, Archt., Wichita, Kan., and opens bids this week for \$15,000, 46x71-ft., 1-story, brick with composition roof

S. C., Columbia—Board of School Commissioners of School District of Columbia, A. C. Moore, Chmn., will receive bids until Feb. 17 for negro industrial school building on grounds of Booker Washington school; plans and specifications may be secured from J. H. Sams, Archt., Carolina Natl. Bank Bldg.

S. C., Hampton—Fifteenth School District votes this week on \$20,000 bonds for addition to school building; address School Board.

Tenn., Bristol—School Board contemplates \$150,000 bond election for improvements: Enlarging Fairmont building on Kentucky Ave., \$10,000 for repairing and adding equipment to negro building, McDowell St.; finishing Anderson St. school, repairing high school, Alabama St., and grammar school, Fifth St.

Tenn., Milan—City voted \$40,000 bonds for city improvements including remodeling of high school building.

Tenn., Nashville—Trevecca College Board of Trustees considering building program and purchase of general equipment; will launch campaign to raise \$500,000 endowment; John T. Benson, Pres.

Tenn., Signal Mountain—Hamilton County Board of Education, J. E. Walker, Supt., Chattanooga, considering erection of school building; C. E. James will contribute site and \$5,000.

Tex., Columbus—Board of Education, Charles Ramsay, Sec., changed date of opening bids for alterations, etc., to negro school building to June 1; Giesecke & Harris, Archts., 520 Littlefield Bldg., Austin.

Tex., Dallas—Board of Education, care Alex W. Spence, will call election April 7 on \$1,000,000 of desired \$2,000,000 bond issue; John C. Harris, Finance Commissioner.*

Tex., Houston—Board of Education of Houston Independent School District, L. L. Mills, Bus. Mgr., 1600 Washington Ave., opens bids this week for annexes to Woodrow Wilson grade school building; Endress & Cato, Archts., 831 Bankers Mortgage Bldg.*

Tex., Childress—Board of Education will soon call election on \$125,000 bond issue for erecting brick and concrete school building.

Tex., Kerrville—Schreiner Institute Board of Trustees, authorized construction of dormitory and dining hall unit; first floor dining hall and second floor rooms; \$60,000, reinforced concrete and brick; Adams & Adams,

Archts., Gibbs Bldg., San Antonio; A. C. Schreiner, Chmn. Building Comm.*

Tex., Naples—School Board, W. O. Bryan, Sec., will call election Feb. 17 on \$34,000 bonds for new brick school building.

Va., Appalachia—Richmond District will vote this spring on \$150,000 bonds for erecting school building to replace structure burned. Address Board of Supervisors, Wist County, Va.

Va., Covington—Allegheny County Board of Education, J. G. Jeter, Supt., will receive bids until Feb. 17, for addition to graded school building.*

Va., Danville—City Council will call election in March to vote \$350,000 school bonds.*

Va., Harrisonburg—City Council voted appropriation of \$50,000 for erecting 8-room addition to Waterman Grammar School; contemplate \$250,000 bond election late this year for senior and junior high school building.

Va., Leesburg—Mayor C. H. Harrison announced work to start immediately on new school building to replace structure burned at \$100,000 loss.

W. Va., Fairmont—St. Peter's Catholic Church, Rev. P. Gilsenan, Rector, will construct memorial high school and gymnasium, Quincy St.

Stores

Ark., Texarkana—Frank L. Carrara, administrator of estate of late Frank D'Arrigo, will erect block of brick business houses on Broad between Laurel and Hazel Sts.; \$70,000 to \$80,000.

D. C., Washington—E. H. Batson, Southern Bldg., will soon let contract for alterations to residence for store, offices and apartment building, 1526 K St., N. W.; 3 stories, 24x100 ft., limestone and granite; C. L. Harding, Archt., 729 15th St., N. W.

D. C., Washington—R. Frederick Harcher, Colorado Bldg., 14th and G Sts., N. W., received bids for erecting \$40,000, 1-story, 119x50 ft., brick 7-store building on Connecticut Ave., N. W.; A. S. J. Atkinson, Archt., 3801 McComb St., N. W.

D. C., Washington—Estate, care Mrs. C. Potts, 1239 New Hampshire Ave., N. W., contemplates rebuilding burned warehouse, \$50,000, 5 stories, 50x90 ft., brick, Eighth near E streets, N. W.

D. C., Washington—Joseph Younger, 1211 Connecticut Ave., N. W., taking bids for 3-story, 30x90 ft., limestone store building at 726 17th St., N. W.; owner's name withheld.

Fla., Bartow—T. A. Goode will erect 2-story brick business building at Main St. and Florida Ave.; brick walls and foundation, metal roof.

Fla., Daytona Beach—John A. Rogers, Archt., preparing plans for 2 or more 6-story business structures.

Fla., Hollywood—by-the-Sea—Hollywood Bank & Trust Co. will remodel and erect addition to present building; convert for business purposes. (See Buildings Proposed—Bank and Office.)

Fla., Fort Lauderdale—J. C. Alley has permit for 2-story, concrete, 48x80 ft. store and apartment building on Brickell Ave.

Fla., Miami—Cornelius Thomas, 145 S. W. 21st Road, will erect \$12,500, 1-story, cement block store building at 2116 N. W. Seventh Ave.

Fla., Miami Beach—James Franklin, New York city, purchased property at Fifth St. and Euclid Ave., as site for proposed store and hotel building.

Fla., Sarasota—Morris Cohen has option on property at Seventh and Pineapple Sts. and reported to erect business block.

Ga., Atlanta—Dr. W. B. Chandler, 790½ Marietta St., will erect \$35,000, 2-story and

basement, brick business building, N. E. cor. Cone and Poplar Sts.

Ga., Atlanta—Hugh C. Dobbins, 201 Grant Bldg., will erect \$100,000 commercial building at Whitehall and Humphries Sts.; Daniell & Beutell, Archts., Healey Bldg.

La., New Orleans—Molse H. Goldstein Archt., Hibernia Bldg., opens bids this week for alterations to 2-story, concrete, brick and frame warehouse on S. Peters St. between Cal-Hope and Howard Aves.

Miss., Columbia—Mr. Barnes of McKenzie & Barnes will erect store building.

Mo., Kansas City—Findlay Marlborough Realty Co., 525 Lathrop Bldg., has plans in progress by Victor J. De Foe, 203 Bruening Bldg., for 6 English design shops, on Paseo.

Mo., Kansas City—Arthur S. Nachman, Sec.-Treas. Metzner Stove Repair Co., 515 Wyandotte St., leased 96-ft. frontage at 1228-34 Broadway and plans to erect stores, garage in rear and possibly apartments above.

Mo., St. Louis—Mary Lane Shop, Inc., 711 Locust St., leased building at 310 N. 8th St. and will remodel; 25x127 ft.

Mo., Kansas City—Findlay Marlborough Realty Co., W. H. Findlay, 525 Lathrop Bldg., has plans in progress by Victor DeFoe, 1704 Baltimore St., for \$25,000, 1-story and basement, 90x50 ft., brick 6-store building at 75th and Paseo.

Mo., Kirksville—Producers Produce Co., V. R. Johnson, will erect \$50,000, 12-story and basement, 100x100 ft., brick and tile produce building, West Side; archt. not selected.

Mo., St. Louis—C. C. Ketcham, 722 Chestnut St., has preliminary plans in progress by J. D. Paulus, 4729 Northland Ave., for 2-story and basement, 78x118 ft., brick and concrete commercial building, Olive and Cardinal Sts.

Mo., St. Louis—Witte & Umrath Hardware Co., 920 Franklin St., leased 3-story and basement building at 910 Franklin Ave., owned by Thomas Dunn; will make extensive alterations and improvements.

Mo., St. Louis—C. F. Levy, care Hub Furniture Co., Eighth and Washington Aves., plans 12-story and basement, reinforced concrete and brick commercial building and 4-story top addition to 8-story building, 8th and Washington Aves., to exceed \$500,000.

Mo., St. Louis—Stock Peterman House Furnishing Co., 3719 N. 14th St., will select Archt. about Feb. 1, for \$175,000, 75x120 ft., brick and reinforced concrete, fireproof furniture store building, S. E. cor. Union Blvd. and Natural Bridge.

N. C., Troy—Mrs. J. R. Blair contemplates rebuilding business block burned by fire.

N. C., Washington—G. A. Phillips will erect 2-story, brick, 48x100 ft. building to be occupied by Phillips-Wright Furniture Co.

Tenn., Chattanooga—J. T. Lupton, Volunteer State Life Bldg., will expend \$20,000 for remodeling Broad St., end of McClellan variety store.

Tenn., Memphis—I. D. Block, 1856 Autumn St., and Leo Goodman, 1898 Autumn St., plan to erect semi-fireproof, 2-story store and office building, N. W. cor. Cleveland St. and Madison Ave.; George Mahan, Jr., Archt., American Bank Bldg.

Tenn., Memphis—Greif, Inc., Goodall Greif, Pres., 1185 Peabody St., leased store at 106 S. Main St. and will remodel.

Tenn., Memphis—B. E. Feld, 1824 Union St., has plans in progress by George Mahan, Jr., American Bank Bldg., for studio building at N. E. cor. Union Ave. and Idlewild St.

Tex., Amarillo—Dempster Implement Co. of Texas, First and Polk Sts., plans to rebuild salesroom and offices, recently burned.

Tex., Galveston—Sam J. Williams, 2113 D St., will remodel and install new front to store building.

Tex., San Antonio—Eagle Furniture Co., 127 Soledad St., has plans in progress by Will Noonan, 242 Moore Bldg., for new store front and interior alterations.

W. Va., Wheeling—John S. Naylor Co., 1405 Main St., will expend \$50,000 for improvements, to start March 15; includes 1-story, 45x125 ft. addition to half of building, raising of floors, new front, etc.; F. F. Faris, Archt., 1117 Chapline St.*

Theaters

Ark., Paragould—Bettrig Brothers will erect \$60,000 theater building, S. Second and W. Emerson Sts.; J. A. Collins will manage.

Fla., Frostproof—C. Thompson has site and reported to erect theater building.

Fla., Palm Beach—Lee Shubert, 225 W. 44th St., New York City, theatrical producer, announced plans for erecting 1-story, Spanish type theater building; site not selected.

Va., Clarendon—Clarendon Theater Corp. will soon organize for erection of 46x125 ft., brick and tile theater building at Wilson Blvd. and Wheeler Ave.; seat about 800 persons.

Warehouses

Fla., Lemon City—Orange State Oil Co. has plans by Charles P. Neider, Miami, and will soon let contract for warehouse and office building at Lemon City to cost \$73,000; warehouse to cost \$30,000, 1-story, 50x170 ft., concrete block and steel truss; 11 tanks to cost \$25,000; garage to cost \$18,000.

Fla., Miami—J. M. Walker, 1575 Harbert St., Memphis, Tenn., will select site and erect warehouse. (See Fla., St. Petersburg.)

Fla., St. Petersburg—J. M. Walker, 1575 Harbert St., Memphis, Tenn., is considering site for erection of warehouse; purchased site in Tampa and plans to erect \$250,000 warehouse in summer; will also select site in Miami for warehouse.

Fla., Tampa—J. M. Walker, 1575 Harbert St., Memphis, Tenn., purchased site and will erect \$250,000 warehouse this summer. (See Fla., St. Petersburg.)

Fla., Tampa—Union Transfer Co., care T. F. Grace, Pres., 108 S. Fielding Ave., has plans for 4-story, concrete, fireproof storage warehouse at 12th and Whiting Sts.

Ga., Metter—Farmers Union Cotton Warehouse Co. plans to erect 100x210 ft., 1-story, brick addition to tobacco warehouse; pine floors, brick foundation, cost from \$10,000 to \$12,000; major items to be purchased include brick and lumber; address E. J. Bird.*

La., Baton Rouge—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa., contemplates erecting warehouse across river from Baton Rouge.

Miss., Vicksburg—Emmich Brothers, 1400 Mulberry St., have plans in progress by M. J. Donovan, 2743 Washington St., for 70x215 ft., brick warehouse on Levee St.*

Okla., Tulsa—A. R. Thomas, 17 E. Eighth St., will erect brick, steel and concrete, \$10,000 warehouse at 724 S. Kenosha Ave.

Tenn., Memphis—Hood Rubber Products Co., 237 Court St., leased 2-story office building and warehouse to be erected on S. Main St.

W. Va., Weston—Lewis County Farm Bureau is considering erecting warehouse.

BUILDING CONTRACTS AWARDED

Association and Fraternal

La., Baton Rouge—Following contracts let for equipment of new Y. M. C. A. building, S. A. Robertson, Gen. Sec.: Furniture, Globe Furniture Co., Main St.; gymnasium equipment, Everett School Supply Co., 2 Third St.; billiard tables, Brunswick-Balke-Coller Co., Muskegon, Mich.; general gymnasium equipment, Fred Medart Manufacturing Co., St. Louis, through district office at New Orleans; kitchen equipment and lines and other additional equipment to be ordered later.*

Bank and Office

Fla., Daytona—The Francis-Pickering Co., Leslie E. Francis, Pres., 120 Orange Ave., is erecting office building. (See Buildings Proposed—Miscellaneous.)

Ga., Atlanta—Dr. W. B. Chandler, 27 Penders Ave., let initial contract at \$40,000 for concrete office building, Cone and Poplar Sts., to Ed Hays, Inter-Southern Bldg.; 2 stories and basement, 50x100 ft., terrazzo floors, concrete foundation, gravel and tar roof, hollow tile, metal ceilings, 1 Otis elevator or equal, sub-contracts not let; ultimate plans call for 6 stories, total cost \$225,000; Daniell & Beutell, Archts., 307-09 Healey Bldg.*

Fla., Kissimmee—Egert & Lux let contract to Kibbe & Clark for flatiron office building.

La., New Orleans—J. A. Petty, Godchaux Bldg., has contract at about \$67,500 to rebuild and alter 5-story Mintz Bldg., Baronne and Lafayette Sts., damaged by fire; composition roof, electric work, plumbing and heating, new elevators and Kinnear doors; Favrot & Livaudais, Ltd., Archts., Hibernia Bank Bldg.; Saml. Mintz, Owner.*

Mo., Clayton (Ind. Branch St. Louis)—Page Bank, 6135 Page Blvd., will erect \$20,000 bank building, Watson's Fruit Hill;

brick and stone, 24x65 ft.; St. Louis Bank Equipment Co., Archt.-Contr., 811 Walnut St.

Mo., St. Louis—Missouri State Life Insurance Co., M. E. Singleton, Pres., 1501 Locust St., reported to erect 12-story office building, 15th and Locust Sts.; brick, LeBeaume & Klein, Archts., Compton Bldg.; W. H. Smith, Contr., 316 Buder Bldg.

S. C., Newberry—National Bank of Newberry let contract to W. F. Livingston for remodeling building; 30-ft. addition; install steam heating system, paint front; Lafaye & Lafaye, Archts., Columbia.*

Tenn., Memphis—Harry Cohn, care Haas, Marx & Bendorf, 152 Madison Ave., let contract at \$40,000 to H. J. Gilbertson Construction Co., Graham Bldg., for alterations to building, Main and Jefferson Aves.; heating, State Heating & Power Co., 272 Walnut St.; electric work, Slater Electric Co., 134 S. Second St.; plumbing, Pritchard Bros., 433 Madison Ave.; passenger elevator, Otis Elevator Co., New York and 246 Court Ave., Memphis; Walter Thos. Williams, Archt., 41 E. 42nd St., New York; work 10 per cent complete.*

Tex., Amarillo—Fred Bone Construction Co., Gen. Contr., at \$359,040 for reinforced concrete office building for Amarillo Building Co., desires sub-bids on metal windows, marble and tile, millwork, structural steel, iron work and miscellaneous items; structure 8 stories and full basement, 50x140 ft., cement, tile and terrazzo floors, concrete foundation, gravel roof, hollow and interior tile, metal doors, mail chutes, ventilators, steel sash and trim, wire glass, 2 electric passenger elevators; heating and plumbing to W. H. Hayman Plumbing & Heating Co.; electric work, Finkley Electric Co.; Shepard & Wiser, Archts., R. A. Long Bldg., Kansas City, Mo.; work started.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Brownsville—Milander & Co., Waco, has contract at \$27,000 for bank, marble and bronze fixtures, for marble floors, walnut furniture and other woodwork, for \$120,000 State National Bank; Atlee B. & Robe. M. Ayres, Archts.; Jay DePuy, Contr., both Be-nell Bldg., San Antonio.*

Tex., Dallas—Judge Edw. H. Gray and H. T. Clark, 1315 Young St., will erect \$90,000 cotton office and apartment building, 1415 Young St.; semi-mill, steel and brick construction, 2 stories, 175x148 ft., concrete and wood floors, concrete foundation, tar and gravel roof, metal ceilings and doors, ventilators, steel sash and trim, wire glass; all sub-contracts closed; electric work to Rigbee Electric Co., 1809 Main St.; plumbing Sanguinet & Payne, 2102 Live Oak St.; Arthur A. Brown, Archt., 1008 Western Infirmary Bldg.; Trinity Construction Co., Contr. 111 S. Poydras St. (Lately noted under Stores.)

Tex., Houston—R. S. Sterling, Humble Oil Bldg., Chmn., Board of Directors of Houston Printing Co., publishing Houston Post-Dispatch, will erect 22-story instead of 16-story store and office building, Texas Ave. and Fannin St.; 120x125 ft., Bedford limestone exterior, concrete floors, other flooring not determined, hollow tile, metal doors, mail chutes, ventilators; Sanguinet, Staats, Hedrick & Gottlieb, Archts., Carter Bldg.; Don Hall, Contr., Cotton Exchange Bldg.*

Churches

Fla., Lake City—First Baptist Church, care E. A. McColskey, let contract at \$54,000 plus heating plant to Winston & Penney, Gainesville, for brick building; 3 stories, hollow and interior tile, rift pine and concrete floors, concrete foundation, tile roof, furnishings, equipment, etc. \$15,000; Jas. E. Greene, Archt., Farley Bldg., Birmingham, Ala.

Ga., Atlanta—Following contracts let in connection with \$100,000 Central Presbyterian Church building, for which Geo. A. Clayton Co., Gould Bldg., has general contract: Structural steel, Austin Brothers Bridge Co., Mickleberry St.; ornamental iron, R. C. Lieb Co., 340 Whall St.; electric work, Georgia Electric Co., 55 S. Pryor St.; plumbing and heating, Stephenson Co., Inc., 91 Spring St.; millwork, Randall Brothers, Inc., Peters Bldg.; steel sash, David Lupton's Sons Construction Co., Bona Allen Bldg.; reinforcing steel, Truscon Steel Co., Youngstown, Ohio (Atlanta office); limestone, Hill R. Huffman Co., Bona Allen Bldg.; marble, Blue Regal Marble Co., Bona Allen Bldg.; tile work and cement, J. Korlzon Tile Co., 34 Ryan St.; painting, Fred Didschuneit & Son, 81 Edgewood St.; architectural terra cotta, Atlanta Terra Cotta Co., Citizens' & Southern Bank Bldg.; steel toilet partitions, Luke Seawell, Brown Bldg.; roofing and sheet metal, Atlanta Sheet Metal Works, 799 Marietta St.; Dougherty & Gardner, Archts., Stahlman Bldg., Nashville, Tenn.*

Ga., Macon—O'Pry Heating & Plumbing Co. has contract for Webster system heating and plumbing for \$75,000 First Presbyterian Church Sunday-school annex; electric work, H. E. Lowe Electric Co.; ordinary construction, 3 stories, 45x68 ft., wood floors, concrete foundation, tar and gravel roof, hollow tile; items to be purchased include framing, millwork, plastering, stucco, painting, cut stone; Dunwoody & Oliphant, Archts.; Southern Ferro Concrete Co., Contrs., 50 E. Ellis St., Atlanta.*

La., Shreveport—Church of the Nazarene, Rev. E. G. Theus, Pastor, 1059 Eustis St., has plans completed by Edw. F. Neild, Merchants Bldg., for \$40,000 brick building, Jordan St. near Southern St.; construction in April by members.*

Mo., Monroe City—Christian Church, care

C. B. Wait, will erect \$35,000 church and Sunday-school building; 2 stories and basement, 56x65 ft., brick and Bedford stone; Bonsack & Pearce, Archts., Laclede Gas Bldg., St. Louis; Wallace L. Bond, Contr.*

Miss., Amory—Methodist Episcopal Church, South, L. E. Puckett, Chmn. Bldg. Comm., let contract at \$13,500, including plumbing, to Camp Construction Co. for 3-story brick and stone Sunday school annex.*

Mo., St. Louis—Rev. J. J. Glennon, 3810 Lindell Blvd., is pastor of church to erect \$65,000 auditorium, 2645 Pearl St., and \$50,000 school building, 4324 S. Kingshighway; 1 and 2 stories, 97x137 ft. and 108x87 ft., brick, slate and composition roofs; Ludwig & Dreisoerner, 3543 Humphrey St., Archts. for former; Wm. McMahon & H. P. Hess, Taylor and Page Sts., Archts. for latter; C. W. Schuler & Co., 2838 Texas St., Contr. for former; Gillespie & Daly, 722 Chestnut St., Contr. for latter.

W. Va., Huntington—Chev Sholem Congregation let contract at \$175,000 to C. Harrison Smith, Robson-Prichard Bldg., for fireproof synagogue, Tenth Ave. and Tenth St.; work to start March 1; concrete, brick and terra cotta, 4 stories, 68x100 ft., terrazzo, tile, composition and cement floors, concrete foundation, terra cotta and copper roof, hollow tile, ornamental terra cotta, steel sash and trim, furnishings, equipment, etc., \$40,000; heating not let; sub-bids desired on plumbing, plastering and wiring; items to be purchased include terra cotta, face brick, steel sash, architectural iron, ornamental plaster; millwork let to Huntington Sash & Door Co., 19th St. and Second Ave.; Meador & Handloser, Archts., Robson-Prichard Bldg. Address Contr.*

City and County

Ga., Columbus—Fire Station—City, Walter A. Richards, City Mgr., let contract at \$11,857 to M. C. Barlow, 1147½ Broad St., for Wynnnton fire station, Britt Drive near Macon Rd.; plumbing, Tidd Plumbing Co., 16 Thirteenth St., at \$1072; electric work, Brown Electric & Equipment Co., 1315 Tenth St., \$389.

Mo., St. Louis—Fire Station—City let contract to Wm. MacDonald Construction Co., Odd Fellows Bldg., for Fire Station No. 17, Leonard St. and Easton Ave.; cost \$35,000, 2 stories, 32x75 ft., brick; E. E. Christopher, Archt., 6025A Etzel St.; L. R. Bowen, Ch. Engr.; H. Updike, Mech. Engr., 2827 Victor St.*

Mo., St. Louis—Locker Building—Division of Parks & Recreation, H. E. George, Archt., 4459 Shaw St., let contract Nov. 14 to John J. Clark Construction Co., Arcade Bldg., at \$18,736 for field house and comfort station in Marquette Park; footings started; reinforced concrete, brick and stucco, tile roof, 2 stories, 72x30 ft., concrete and maple floors, Ludowici Imperial Spanish tile roof; steel lockers to be purchased; hot water heating (American Ideal sectional boiler), Phos. J. Sheehan Co.; plumbing, Ed. J. Hughes; electric work by Dept. of Public Utilities.*

N. C., Winston-Salem—City Hall—Board of Aldermen, Jas. G. Hanes, Mayor, let contract at \$451,000 to North Eastern Construction Co., Commercial Bank Bldg., Charlotte, for reinforced concrete fireproof city hall; 4 stories, 210x110, marble, terrazzo, composition rubber tile and concrete floors, tar and gravel roof, concrete foundation, hollow and interior tile, metal doors, vaults, mail chutes, ventilators, steel sash and trim, wire glass, furnishings, equipment, etc., \$100,000; North-up & O'Brien, Archts., Starbuck Bldg.*

Tex., Houston—Auditorium Repairs—Kansas City Scenic Co., 24th and Harrison Sts., Kansas City, Mo., has contract at \$14,775

for stage scenery in city auditorium being repaired at cost of about \$300,000; 2000 dress circle chairs, American Seating Co., 14 E. Jackson Blvd., Chicago; Alfred C. Finn, Archt., Goggan Bldg.; Robt. J. Cummins, Consult. Engr., Gulf Bldg.; Hubbard & Parker, Contrs., West Bldg.*

Tex., Houston—Magnolia Park Fire Station—Magnolia Park, F. A. Baldinger, Mayo, let contract at \$10,600 to John Schellang, 6645 Navigation St., for brick veneer fire station, 7833 Harrisburg Blvd.; 1 story, 45x50 ft., concrete floors and foundation. Johns Manville roof, metal ceilings, wood block and concrete floors; equipment purchased; heating, electric work and plumbing to be let by Contr.; plans by Contr.*

Va., Salem—Municipal Buildings—City, J. P. Broome, City Mgr., has completed foundations of municipal building and fire station, College Ave.; cost \$20,000, brick, 2 stories, 60x54 ft., concrete and wood floors, concrete foundation, roofing not decided; construction and sub-contracts by owner, G. L. Sears, Supt.; Craighill & Cardwell, Archts., Roanoke.

Dwellings

Ark., Paragould—First Presbyterian Church let contract for parsonage. Address The Pastor.

Ark., Pine Bluff—Frank Reed is erecting frame residence, E. Seventieth Ave.; lumber and millwork from Pine Bluff Lumber Co., 2400 W. Second St.; brick, lime and cement, Riley Feed Manufacturing Co., 309 Alabama Ave.

D. C., Washington—G. B. Mullin & Co., 1296 Upshur St. N. W., will erect 6 dwellings, 13th and Taylor Sts. N. W.; 2 stories, 16x32 ft., brick; total cost \$50,000; G. T. Santmyers, Archt., 917 Fifteenth St. N. W.; Francis A. Blundon, Contr., 805 H St. N. W.

Fla., Fort Pierce—First M. E. Church, South, Rev. G. W. Stubbs, Pastor, let contract to H. A. Cahow for Spanish type parsonage; hollow tile and stucco, 1 and 2 stories; Wm. M. Hatcher, Archt. (See Buildings Proposed—Churches.)

Fla., Miami—A. D. Wolfe will erect \$25,000 residence, N. E. 20th Terrace; Spanish type, Cuban tile roof, wrought-iron work; Martin L. Hampton, Archt.; E. A. Ehmman, Asso. Archt.; both 100 New Congress Bldg.; F. D. Bartlett, Contr.

Fla., Miami—Nathan Construction Co. has \$200,000 building program under way on Sun-kist Groves development; is erecting number of dwellings, cost \$5000 each; 5 rooms, bath, garage, oak and pine floors, cement foundations, felt roofs; plumbing to Suburban Plumbing Co., Little River; owner builds.

Fla., Miami—C. H. Celmar will erect \$15,000 residence, Bayshore subdivision; Spanish type, 2 stories, tile floor in loggia; George Jahn, Inc., Contr., 31 Real Estate Bldg.

Fla., Miami—George Jahn, Inc., 31 Real Estate Bldg., will erect 3 dwellings, E. Dixie Highway, Bayshore subdivision; 1 and 2 stories, 7 and 10 rooms, wrought iron work; cost \$75,000.

Fla., Miami—J. F. Knee, Memorial Highway, has started work on \$20,000 Spanish type residence, West Shore Blvd., Shore Crest section Beach Park.

Fla., Mt. Dora—Mrs. Louise Mitchell will erect residence, Liberty St.; Raymond E. Daniels, Contr.

Ga., Valdosta—B. W. Bentley let contract to John Mathis for bungalow to replace burned structure.

La., New Orleans—Thos. J. Boyle, 5530 Atlanta St., will erect 2 duplex dwellings, Palmer Ave. and Barrett St.; sub-contracts.

La., New Orleans—Frank H. Davis, 320 Millaudon St., will erect 3 double cottages, Kentucky and Marais Sts.; sub-contracts.

La., New Orleans—Progressive Lumber Co., 2837 Villere St., has contract for lumber on 10 dwellings, St. Claude and Flood Sts.; cement sidewalks, grading and curbing to S. A. Gano, Maison Blanche Bldg.; A. C. Williamson & Co., Inc., Gen. Contr., 540 Camp St.

La., New Orleans—Frank X. Hoeffner, Stall 10, Ewing Market., will erect single cottage, Joliet and Sycamore Sts.; Haffner & Taylor, Contrs.

Md., Baltimore—Jerome Benesch, Vice-Pres. Isaac Benesch & Sons, 549 N. Gay St., will erect \$70,000 residence, N. W. cor. Canterbury Rd. and 49th St.; 2 stories, 35x91 ft., brick and cream stucco, 15 rooms and 5 baths; Benjamin Frank, Archt., 328 N. Charles St.; R. Brook Maxwell, Landscape Archt., Garrett Bldg.; B. F. Bennett Building Co., Contr., 123 S. Howard St.

Md., Baltimore—Chas. A. Cummins, 20 E. Franklin St., let contract for \$25,000 residence and garage, Kittery Lane and Overhill Rd., to Consolidated Engineering Co., 20 E. Franklin St.; 3 stories, 62x40 ft., brick, slag roof, hot water heat.

Md., Baltimore—W. Burgus, 2922 Union Ave., will erect \$12,000 residence, 4924 Lotus Ave.; 2 stories and basement, brick; Nolte & Naumann, Archts., Fullerton Bldg.; L. G. Mueller & Son, Contrs., 3129 N. Grand Ave.

Md., Baltimore—E. R. Elliott, Pres. E. R. Elliott Co., Inc., 23 South St., let contract to J. Henry Smith, 300 E. 33rd St., for \$35,000 residence, Gittings Ave. and N. Charles St.; 2½ stories, hollow tile and stucco; Wm. Emery, Archt., Munsey Bldg.*

Md., Baltimore—Chas. L. Row, will erect \$12,000 residence and garage, 4401 Underwood Rd.; 3 stories, 36x26 ft. and 11x20 ft., brick, slate roof, hot water heat; Wm. F. Stone, Jr., Archt., Munsey Bldg.; Wm. R. Pearson, Contr., 680 W. 26th St.*

Md., Claiborne—Harold Walkin, Massachusetts Ave., let contract for 2-wing addition to residence, Bayshore, near Claiborne, to W. L. Morrison Construction Co., 613 G St. N. W.; cost \$30,000, 3 stories, brick; A. Blakeslee, Archt., Colorado Bldg., 411 Washington *

Md., Baltimore—Citizens Investment Co., 501 Morris Bldg., let contract to Harry MacLeod for 5 frame dwellings, Montebello Ave. near Overland and Arlington Aves.; 1 story, 26x28 ft., hot air heat; total cost \$20,000; H. Mason, Archt., 8 E. Lexington St.*

Md., Baltimore—Edgewood Development Co. will erect 6 cottages, S. W. side Liberty Heights Ave. near Gwynn's Falls Pkwy.; 2 stories, 30x34 ft. and 24x48 ft., slate roofs, steam heat; total cost \$25,000; F. E. Beall, Archt., 306 St. Paul St.; J. T. Mathis, Contr., 3501 Forest Park Ave.*

Md., Baltimore—E. J. Gallagher Realty Co., Munsey Bldg., will erect 35 dwellings, 1000 and 1100 block Darley Ave., 30 in 3500 block Aisquith St., 24 in 1100 block Belmont Ave. and 20 in 2500 block Robb St.; 2 stories, brick, porches, 6 rooms and bath; total cost, including land, about \$500,000; owner builds.

Miss., Vicksburg—Dr. W. H. Parsons will erect \$14,000 residence; brick veneer, 1 story and basement, 8 rooms; R. W. Boulton, Contr., both First National Bank Bldg.

Mo., Clayton (Ind. Branch St. Louis)—Hawke & Comfort, Inc., will erect \$21,000 frame residence, Fair Oaks St.; 51x31 ft.; D. H. Mullen, Jr., Archt., St. Louis County Bank Bldg.; Wm. A. Bopp, Contr., Arcade Bldg.

Mo., Clayton (Ind. Branch St. Louis)—Jean Jantzen, 4432 Washington St., will erect \$12,000 residence and garage, Wydown Blvd., Moorlands Park; brick, 29x36 ft.; C. G. Harrington, Archt.-Contr.

Mo., Jefferson City—Jas. A. Houchin will

erect 15 bungalows, Clark Ave.; W. L. Walls, Contr.

Mo., St. Louis—J. W. Jones, 4982 Thekla St., will erect 3 brick dwellings, 4874-78-82 Lee St.; 2 stories, 27x34 ft., asphalt shingle roofs, hot air heat; total cost \$12,000; plans and construction by owner.

Mo., St. Louis—H. Beermann, 206 Title Guaranty Bldg., will erect 5 brick dwellings, 1440-52 Linton St.; 1 story, 22x42 ft., tar and gravel roof, furnace heat; total cost \$15,000; F. Poeser & H. R., Archts.-Contrs., 206 Title Guaranty Bldg.

Mo., St. Louis—L. B. Brockmeier, 4719 Farlin St., will erect 2 dwellings, 4700-01 Farlin St.; brick, 1-story, 25x38 ft., composition shingle roofs, hot air heat; total cost \$10,000; owner builds.

Mo., St. Louis—H. Hinrichs, Jr., 6602 Idaho St., will erect 4 dwellings, 3424-26 Juniata St.; brick, 1-story, 28x32 ft., shingle roof, hot air heat; total cost \$16,000; plans and construction by owner.

N. C., Charlotte—Dr. W. M. Scruggs will erect residence, Queens Rd., Myers Park; 8 rooms, frame and brick veneer, cost \$15,000, exclusive of plumbing, heating and electric wiring; Wood & Presnell, Contrs.

S. C., Columbia—Dr. S. B. Fishburne let contract to Mechanics' Contracting Co. for brick and hollow tile residence, Terrace Way; hardwood and concrete floors, interior tile; heating, Columbia Heating Co.; plumbing, W. B. Guimarin & Co.; Jas. B. Urquhart, Archt.*

Tenn., Chattanooga—John A. Legg, 1722 Tinker St., has contract for 8 cottages.

Tenn., Memphis—S. Thorman will erect \$12,000 brick veneer residence; 10 rooms; heating \$1000; garage \$1000; D. W. Kuhlman, Contr., 2013 Courtland St.

Tex., Cameron—Oxshier Smith let contract for \$10,000 residence; face brick, veneer, 2 stories and basement, 44x67 ft., tile roof, plaster on metal lath, oak floors, 2 tile baths, hot air heat.

Tex., Coleman—J. E. Lanford will erect 6-room bungalow, Beakley Addition; W. E. Haney, Contr.

Tex., Dallas—D. A. Barnett & Son, 6136 Bryan Parkway, will erect Spanish type residence, Country Club Circle, Country Club Estates; Latin tile roof, brick, stone trim, wrought iron work; owners build.

Tex., Dallas—Dallas Development Co., Western Independent Bldg., has started work on 5 Spanish type dwellings, Loma Linda subdivision, Preston Rd. N. of Dallas; cost \$12,500 to \$15,000 each; David R. Williams, Archt., S. W. Life Bldg.

Tex., Dallas—Rucker & Jones, 1317 Commerce St., have started work on first 10 of 100 dwellings to be erected in Brookfield addition, N. of Dallas; 4, 5 and 6 rooms, frame, oak floors, built-in features, cost \$3000 to \$4000 each; F. F. & C. F. Peterman, Archts.-Contrs., Merchants' Bank Bldg.

Tex., Taylor—S. G. Gernert has started work on \$25,000 residence, Wilson Springs Rd., N. W. of Taylor; Ernest Grobs, Contr.

Tex., San Antonio—Dr. A. F. Cook, Eddle Bldg., let contract at \$11,837 to B. R. Heath for residence and double garage, Elmsmere St. near McCullough Ave.; plumbing to Jud & Ormand, \$772; heating, Eagle Sheet Metal Works, \$500; wiring, Schroeder Electric Co. \$195; Phelps & DeWees, Archts., Gunter Bldg.*

W. Va., Charleston—E. T. England, Atty. Gen., is erecting \$20,000 residence, Kanawha and Chesapeake Sts.; 2 stories, basement and attic, 10 rooms, brick.

Government and State

Fla., Miami—Postoffice—W. P. Thurston Co., Windsor Court Apt., Richmond, Va., has

contract for postoffice addition, 100x50 ft., 1-story temporary wing.*

Ga., Fort Benning—Barracks, Heating Plant—Constructing Quartermaster, Fort Benning, let contract at \$318,000 to Algernon Blair, 11 S. Lawrence St., Montgomery, Ala., for first section of permanent barracks and central heating plant; ultimate plans call for expenditure of about \$1,000,000.*

Miss., Natchez—Postoffice—H. B. Ford, Postmaster, let contract for brick postoffice building.

Mo., Harrisonville—Postoffice—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., let contract for \$75,000 postoffice, Wall St., to A. M. Landberg, Times Bldg., St. Louis; 1 story and basement, about 62x64 ft., brick and tile.*

Hospitals, Sanitariums, Etc.

Ky., Bowling Green—City, H. S. Stone, Mayor, let contract at about \$108,000 to Raymond Contracting Co. for fireproof hospital, Eighth and Lark Sts.; 3 stories, 65x134 ft., mastic and concrete floors, stone foundation, built-up asphalt roof, on concrete, hollow and interior tile, general hospital equipment to cost \$18,000; R. E. Turbeville, Archt.*

Ky., Valley Station—Board of Tuberculosis Hospital conducting Waverly Hill Sanatorium, W. S. Campbell, Chmn. Bldg. Comm., let contract at \$640,000 to Geo. H. Rommel, 956 Logan St., for new buildings and alterations to existing buildings; cost \$950,000, steel frame, concrete and tile slabs, 4 stories, 50x400 ft., terrazzo and concrete floors, asphalt and promenade tile roof; hollow and interior tile, metal doors, vaults, concrete floors, ventilators, steel sash and trim, wire glass, all let; furnishings, equipment, etc., not let; heating and plumbing to Redmon Heating Co., 146 N. Fourth St.; electric work, Marine Electric Co., 104 E. Market St.; elevator not let, bids in; D. X. Murphy & Bro., Archts., 714 Louisville Trust Bldg., all Louisville.*

Hotels and Apartments

Fla., Miami—Owen L. Carr started work on \$20,000, cement block, 3-story, 42x51-ft., 23-family apartment house at N. W. Fourth St., between Ninth and Tenth Aves.

Fla., Jacksonville—A. F. Baines, 421 Main St., will erect two 2-story frame flats, Schofield St. between Market and Liberty Sts.; \$10,000; owner builds.

Fla., Miami Beach—Louis Alfremow, Chicago, let contract for 38-apartment building opposite Fleetwood Hotel.

Fla., Oldsmar—John Weinigel let contract to Ricketts & Haworth, Tampa, for \$52,000, 41-room apartment hotel; Julian I. Chamberlain, City Archt.*

La., New Orleans—Jac. Levy, 403 St. Charles St., let contract to Charles Gilbert, Balter Bldg., at \$22,800 for 3 story, brick store and apartment building at 709-13 St. Charles St.; Emile Weil, Archt., Whitey Bldg.*

Md., Baltimore—Walter Bachrach, 16 W. Lexington St., will erect \$19,000, 1-story, brick, 117x60 ft., apartment building at 3405 Clifton Ave.; Carey roof, stove heat; L. R. White, Jr., Archt., Hearst Tower Bldg.; owner builds.

Md., Baltimore—Walter Scott, 1311 N. Charles St., let contract to J. Henry Smith, 300 E. 33rd St., for \$40,000, 2-story, 70x36 ft., brick apartment building at Roland and Lake Aves.; Clyde N. and Nelson Friz, Archts., Lexington Bldg.

Mo., Columbia—Simon Construction Co. will erect 3-story, brick, 12-family apartment house at Providence Road, Sanford Place and Turner Ave.

Mo., St. Louis—H. Felter, 5176 Easton

Ave., let contract to A. Walter, 8512 Argyle Ave., for \$22,000, 2-story, 26x46 ft., brick, 2-flat building at 5030-2 N. Market St.; private plans.

Mo., St. Louis—Harrison Construction Co., 5715 Delmar Blvd., has contract for \$65,000, 3-story, 46x80 ft., brick, 2-apartment building, De Mun Park; D. R. Harrison, Archt., 3715 Delmar Blvd.; owner's name withheld.

Mo., St. Louis—J. J. Doyle, 3200 Olive St., let contract to Dougherty Sheehan Real Estate Co., 721 Chestnut St., for \$186,000, 3-story, reinforced concrete stores and apartment building at Lindell Blvd. and Whittier St.; cement and concrete floors, concrete foundation, asphalt roof, interior tile, 53x140 ft.; W. F. Sheehan, Archt., 721 Chestnut St.*

Mo., St. Louis—J. W. Jones, 4982 Thekla St., will erect two 2-story, brick, 27x49 ft. tenements at 4871-5 Farlin St.; \$16,000; asphalt shingle roof, steam heat; owner is Builder and Archt.

Mo., St. Louis—C. H. Koenig, 3624 Kosciusko St., will erect six 2-story, brick, 34x52 ft. tenements at 4226-46 Dewey St.; gravel roofs, hot air heat; owner builds.

Mo., St. Louis—F. W. Meinert, 4431 Wallace St., will erect \$10,000, 2-story, brick, 38x52 ft. tenement at 4800 Goethe St.; composition roof, hot air heat; owner is Builder and Archt.

Mo., St. Louis—Laclede Trust Co., Wm. G. Mueller, Pres., 12 S. Jefferson Ave., let contract to Olfe & Co., Granite Bldg., for remodeling 4-story and basement, brick, store, bank and hotel building at Jefferson Ave. and Olive St.; Otto J. Krieg, Archt., Arcade Bldg.

Mo., St. Louis—O. J. Laudel, 1107 N. Third St., let contract to Fischer Brothers, 3618 Meremac St., for \$15,000, 2-story, 33x45 ft., brick and cut stone, 4-family apartment building on Oregon St., between Meremac and Chariton Sts.; C. A. Koenig, Archt., 3621 Gravois St.

Mo., St. Louis—V. Rowe, 3129 N. Grand St., let contract to J. Chas. Mueller & Son, 3129 N. Grand, for two 2-story, brick, 27x47-ft. tenements at 4821-5 Farlin St.; \$15,800; tile roofs, hot air heat; Nolte & Naumann, Archts., 615 Fullerton Bldg.

N. C., Asheville—McConnell Brothers, 369 Depot St., let contract to G. W. Wrenn, 262 Haywood St., for remodeling 3-story building at Broadway and Walnut St., into 36-room hotel; \$35,000.

N. C., Charlotte—T. D. Arledge, 14 Radcliffe Ave., Myers Park, let contract to Southeastern Construction Co., 123 Brevard Court, for \$14,000, 2-story, 37x58 ft., brick veneer on wood, 5-room apartment building at 1616 Park Drive; oak and tile floors, concrete foundation, composition shingle roof; J. V. Andrews, 207 N. College St., plumbing and heating.*

Okla., Tulsa—W. J. Scrivner is erecting with day labor \$20,000, 2-story and basement, brick and frame apartment building; private plans.

Tex., Dallas—J. H. Peacock, 805 Ewing St., let contract to H. H. Daniels, 2219 Oregon St., at \$69,000, for 3-story, 110x40 ft., brick veneer, 22-apartment building at 803 Ewing St.; oak floors, concrete foundation, composition roof, plaster board; Gas Steam Radiator Co., heating; John W. Westbrook, Archt., 407½ N. Bishop St.*

Miscellaneous

N. C., Charlotte—Thompson Orphanage, Rt. Rev. E. A. Penick, Chmn. Executive Comm., let contract to Southeastern Construction Co., 123 Brevard Court, for \$9500, 2-story, 30x50, reinforced concrete and brick laundry and boiler room; concrete floor and foundation, Barrett roof; M. R. Marsh, Archt., 221 Latta Arcade.*

Railway Stations, Sheds, Etc.

Tex., Yoakum—San Antonio & Aransas Pass Railway Co. let steel contract to Truscon Steel Co., Travis Bldg., San Antonio, for constructing superstructure of 1 and 2-story, \$30,000 freight depot; R. P. Parker, Engr.

Schools

Ga., Athens—State of Georgia has plans in progress by S. P. Lyle for \$50,000, 2-story and basement, brick forestry building at State College of Agriculture; wood floors, concrete foundation, asbestos shingle roof; steam heat from central plant; construction by Engineering Division of College.*

Md., Baltimore—St. James Roman Catholic Church let contract to James J. O'Connor, 52 Knickerbocker Bldg., at \$100,000 for 3-story and basement, fireproof, brick and reinforced concrete school addition and extensive alterations to present school, Somerset between Eager and Chase Sts.; consists of 2 wings 10x40 ft., slag roof, concrete foundation, Georgia pine, wool block, concrete and terrazzo floors, interior tile, metal doors, metal ceilings, ventilators, ornamental terra cotta; Frank J. Knell, 337 N. Howard St., heating; Joseph B. Dreisbach, 116 W. Myrtle St., electric wiring and fixtures; George Thaler, 800 N. Gay St., plumbing; Francis E. Tormey, Archt., 3411 Beechwood Ave.*

Miss., Amory—Trustees of Amory Separate School District, L. E. Pickett, Chmn., let contract to Estes-Williams-Ragsdale Co., 1222 Union St., Memphis, Tenn., for brick and stone school building; Owen Plumbing Co., Aberdeen, heating; J. M. Bentley, plumbing.*

Miss., Cleveland—Delta State Teachers' College, W. V. Frerison, Bus. Mgr., let contract to E. S. Morris for repairs and remodeling to cost \$50,000.

Mo., Forest City—Board of Education, N. H. Cook, Clerk, let contract to G. F. Construction, Exira, Ia., for \$25,000, 1-story and basement, 120x86 ft., brick and concrete high and grade school building; H. E. Waggoner, Archt., 313 S. Eighth St., St. Joseph.*

Mo., St. Louis—Board of Public Service, City Hall, E. R. Kinsey, let contract to Gillespie & Daly Construction Co., International Life Bldg., for \$85,000, 3-story, 60x90-ft., brick dormitory for employees at St. Louis Training School for Feeble-Minded; E. E. Christopher, Archt., care owner; L. R. Bower, Ch. Engr., care owner; H. Updike, Ch. Engr., care owner.*

Mo., St. Louis—St. Mary of Magdalene Parish, 4917 Sutherland Ave., let contract to Gillespie & Daly Construction Co., International Life Bldg., for \$150,000, 2-story and basement, 130x180 ft., brick and reinforced concrete, fireproof, parochial school building, Kingshighway and Sutherland; International Engineering & Supply Co., 604 Olive St., heating and ventilating; Henry P. Hess, Archt., 1237 N. Taylor St.; Wm. P. McMahon, Asso. Archt., Title Guaranty Bldg.*

N. C., Shelby—Cleveland County Board of Education let contracts to Lutz & Webb, at \$22,220 and \$38,700 for school buildings in South Shelby and Fallston; Dermott Heating Co., Roanoke & Watkins Sts., Durham, heating at \$8734; South Shelby to contain 14 classrooms with auditorium, offices, laboratory rooms and library; Fallston 10 rooms with offices and library.*

S. C., McCormick—McCormick School District No. 4, Board of Trustees, let contract to Jordan Building Co., Greenville, for \$35,000, brick and tile, 1-story, 8-room and auditorium school building; pine floors, concrete foundation, asbestos shingle roof; Scroggs & Ewing, Archts., Lamar Bldg., Augusta, Ga.*

Tex., Beaumont—French School Dist. School Board, Virgil McPhail, Pres., let contract to

Herman Weber, 211 Perlstein Bldg., for \$86,000, fireproof, 2-story, brick high school; 14 class rooms, combination auditorium and gymnasium to seat 1000; Livesay & Wiedemann, Archts., 447 V. Viess Bldg., Beaumont.*

Tex., Beaumont—H. C. Bond, Jr., Port Arthur Road, contractor for \$40,000 high school gymnasium, let following sub-contracts: Plumbing, Ed Eastman; mill and lumber works, Mabry Manufacturing & Lumber Co.; brick work, Fred Weber; steel, Orange Car Co.; sheet metal and roofing, John T. Booth; plaster and cement, George M. Blakely; painting, Mr. Trask.*

Tex., Corsicana—Mildred School Community let contract to Rice Construction Co., Dallas, for \$48,000, brick school building; steam heat.

Va., Richmond—School Commissioners, W. Floyd Reams, W. F. Bryce and others, let contract to Benjamin Pillow, 1101 Bank St., at about \$413,000 for North Side Junior High School, Brookland Blvd., between Lamb and Enslow Ave.; American Heating & Ventilating Co., Times-Dispatch Bldg., heating at \$36,700; Charles M. Robinson, Archt., Times-Dispatch Bldg.; will soon let contract for another junior high school at Patterson Ave. and Roseneath Road.*

Stores

Ark., Althelmer—J. Cohn let contract to J. A. McCabe, for 2-story fireproof building, stores on first floor and hotel above; Riley Feed Mfg. Co., 309 Alabama Ave., cement, plaster, lime and cement, Standard Lumber Co., E. Fifth St., lumber and millwork; both Pine Bluff.

Ark., Newport—Snetzer & Jamison have contract for wiring buildings to be occupied by Johnson-Cloyes Hardware Co. and Albright-Rosson Furniture Co.

Fla., Eau Gallie—C. L. Knowles let contract for business building on Ninth St.

Fla., Fort Lauderdale—T. M. Bryan started work on \$75,000, 110x210-ft., 3-story, tile and stucco, Spanish type arcade building, Andrews Ave. and Third St.; Geo. Young Co., Contrs.; Francis Abreu, Archt.*

Fla., Fort Myers—E. V. Goodman & Son have contract for building at First and Jackson Sts. for Collier interests.

Fla., Melbourne—H. P. Egert and W. W. Lux let contract to Kibbe & Clark for 2-story, \$25,000, 86x73 ft. Flat Iron building, Campbell Park property; 8 stores on ground floor, with offices above; wall bearing, brick and frame, wood and concrete floors, reinforced concrete foundation, built-up roof, hollow tile, wire glass, ventilators; F. Earl DeLoe, Archt.*

Fla., Melbourne—James H. B. Woodroffe purchased 60x100 ft. lot on Dixie Highway, including garage building, and let contract to Bartling & Dull, Pontiac, Mich., for remodeling into store.

Fla., Punta Gorda—C. Potter Lucas acquired site on Marian Ave., let contract to William O. Sparklin, Fort Myers, to prepare plans and erect \$20,000 store buildings.

La., Alexandria—F. O. Hunter let contract to Tudor & Roland at \$34,858 for seven 1-story, brick store buildings, Fourth and Murray Sts.; tile floors, metal frames and sash, plate glass windows and show cases, Barrett roof; Herman J. Duncan, Archt.*

La., Monroe—Weeks Supply Co., Third & Jefferson St., let contract to I. T. Davis, Oak St., for 25x700 ft. building, in rear of Saenger theater on N. Third St., and remodeling Cleveland garage property; \$25,000.

La., New Orleans—Simon W. Rosenthal Co. let contract to Richard McCarthy, Canal-Commercial Bldg., at \$24,100, for alterations and addition to building at 1411 Canal St.

Md., Cumberland—S. E. Kline & Son, 405

Virginia Ave., let contract to Joseph Grabenstein for \$10,000, 2-story store building; steel and copper front, 100-ft. frontage, hardwood and concrete floors, concrete and stone foundation, metal roof, copper sash and trim; J. B. Brower, Jr., Archt., desire sub-contract bids on heating and electric wiring. (See Machinery Wanted—Terrazzo, Floor Tile, etc., and Marquise.)

Miss., Columbus—Charles S. Jordan & Son, Main St., let contract for 900-ft. addition.

Miss., Jackson—Lamar Life Insurance Co., C. W. Welty, Mgr., 212 E. Capitol St., let contract to Hays and Lewis and I. C. Garber, Millsaps Bldg., for \$30,000, 1-story, reinforced concrete, fireproof store building; composition roof, tile, cement and concrete floors, hollow tile, interior tile, metal doors, ventilators, ornamental terra cotta, wire glass; Beacham Plumbing Co., plumbing and heating; Stuart C. Irby, electrical work; N. W. Overstreet, Archt., Overstreet Bldg.*

Mo., St. Louis—Lurso Investment Co., 7069 Pershing St., will erect \$60,000, 2-story stores and tenement at 5028-32 Gravois and 4315-19 Walsh Sts.; \$60,000, brick, 60x96 ft., composition roof, steam heat; G. Sokol, Archt., 7069 Pershing St.; owner builds.

Mo., St. Louis—C. W. Hehmann, 6204 S. Kingshighway, will erect \$15,000, 2-story brick, 48x47-ft., store and tenement building at 4472-4 Shaw St.; slate and composition roof, hot water heat; H. Schaumburg, Jr., Archt., 3631 Connecticut St.; owner builds.

Mo., St. Louis—Middletown Realty Co., International Life Bldg., let contract to Cornet-Casey Co., Chemical Bldg., for 11 one-story retail shops, Delmar Blvd. and Taylor Ave.; \$200,000; Skouras Bros. Enterprise, Grand Central Bldg., lessee.

Mo., St. Louis—Plummer Brothers, 901 Chestnut St., will erect \$17,000, 1-story, brick stores at 1400-12 Olive St.; 50x150 ft., tar and gravel roofs; owner builds. (See Contracts Awarded—Warehouses.)

Mo., St. Louis—Anna Shoemaker, 2029 Washington Ave., let contract to H. W. Gilmore, 376 Arcade Bldg., for \$10,000, 1-story, 30x50-ft., brick store building at 2404-10 N. Union Ave.; H. W. Guth, Archt., 813 Chestnut St.

N. C., Charlotte—E. J. Holton let contract to Jay L. Woodside for \$12,000, brick, 2-story building at N. Brevard St.; T. A. McEwan, Engr.

Tenn., Jackson—S. H. Kress & Co., 114 Fifth Ave., New York, let contract to E. G. Holladay Co., 151 Fifth Ave., N., Nashville, for rebuilding Hugh Harris Building on Liberty St.; cost about \$40,000, 2 stories, 39x120 ft., wood floors, Barrett roof; all material purchased; E. J. T. Hoffman, Archt., New York.*

Tex., Brenham—Mrs. Mary D. Ross is remodeling and improving Dwyer Building, first floor for 6 stores and 6 5-room apartments above.

Tex., Dallas—Bolanz Investment Co. let contract to W. B. Jansen, 4225 Colonial Ave., for \$15,000, 2-story, brick building at 1005 Jackson St.

Tex., Kerrville—W. A. Fawcett let contract to Elder Construction Co., 617 Houston Bldg., for \$20,000, 2-story, concrete frame and hollow tile, 50x60 ft. addition and new front to furniture store; gravel and composition roof, yellow pine floors, concrete foundation, metal ceilings, steel sash and trim; Adams & Adams, Archts., Gibbs Bldg., both San Antonio.*

Tex., Lubbock—Temple Ellis let contract

to J. J. Clement, at \$18,500, for remodeling lower floor for 2 more stories; 75x115 ft., tar and gravel roof, pine and concrete floors, concrete foundation, metal doors, ornamental terra cotta; major items to be purchased include steel, plate glass, marble and stone; Peters & Haynes, Archts.*

Tex., San Antonio—Gallagher & Blaise, 407 Madison St., let contract to Walsh & Burney, 928 N. Flores St., for \$25,000, 1-story and part basement, 45x106 ft., Spanish Renaissance design store building, Fredericksburg Road and Donaldson Ave.; stucco exterior, Mission roof; Phelps & DeWees, Archts., Gunter Bldg.

Tex., Meadow—John Scott, Contr., purchased lot on Main St. and will erect brick 25x80 ft., fireproof business building.

Theaters

La., New Orleans—Harris Structural Steel Co., Inc., 1840 Broadway, New York City, has contract for furnishing and erecting structural steel for \$1,000,000 theater and office building, Canal St., Elks Place and S. Rampart St., for Canal Realty & Improvement Co.; George J. Glover Co., Inc., Whitney-Central Bldg., has general contract.*

Warehouses

Mo., St. Louis—Plummer Brothers, 901 Chestnut St., will erect \$18,000, 65x150-ft., 1-story, brick warehouse at 453 N. Newstead St. and \$17,000, 1-story store at 1400-12 Olive St.; owner builds.

Tex., Houston—H. B. Ternison, 427 Lovett Blvd., let contract to Townsend & Wallace, West Bldg., for \$70,000, 2-story, brick and mill warehouse, 1905 Franklin Ave.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Air Compressor.—See Electric Light and Water Works.

Air Compressors.—Davis Equipment Co., 50 Church St., New York.—Wants three small belt-driven air compressors of about 350-ft. capacity, driven by gasoline engine, for export use; prefer used equipment.

Air Compressor.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 14 for one air compressor, tankless, 110-volt, D. C.; C. M. Sorenson Co.'s Catalog No. 220-A, or equal.

Air Compressor.—See Water Works.

Barge (Steel).—U. S. Engineer Office, Wilmington, N. C.—Will receive bids March 12 to construct one 80-ft. x 26-ft. x 5-ft. steel barge.

Boiler.—Gorman L. Burnett, Box 291, Lynchburg, Va.—Wants 150 h.p. boiler, new or used equipment; state price, condition, etc.

Bridge.—Adams County, Natchez, Miss. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Harris and Galveston Counties, Houston, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge, etc.—City of Vicksburg, Miss.—See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Lancaster County, Lancaster, S. C., will build 6 bridges and culverts. See Construction News—Bridges, Culverts, Viaducts.

Bituminous Material.—State Highway Commission, H. G. Shirley, Chrmn., State Office Bldg., Richmond, Va.—Will receive bids March 3 for following bituminous material. For State System: 35,000 gal. hot surface treatment; 737,000 gal. cold surface treatment; 63,850 gal. joint filler; 141,150 gal. cold patch ma-

terial in barrel lots, carload shipments; 708,000 gal. cold patch material in tank car lots. For State Aid System: 173,590 gals. hot surface treatment; 513,433 gals. cold surface treatment; 138,500 cold patch material in barrel lots and 3000 gal. hot patch material in barrel lots; C. S. Mullen, Chief Engr.

Book Stacks.—Board of Awards, F. A. Dolfeld, City Register, Baltimore, Md.—Will receive bids Feb. 18 for book stacks for the bar library, in Courthouse; C. H. Osborne, Inspector of Buildings.

Building Materials.—Joseph Stolz & Son, Inc., Commerce Ave., Highbridge Station, New York City.—Wants miscellaneous building material, including steel, hardware, galvanized base ground and sanitary trim and glass; delivery Chehaw, Ala.

Building Material.—H. J. Aldwinckle, Box 85, Fulford, Fla., Archt. for Florida Cities Finance Co.—Wants catalogues and information on all building materials, for \$2,250,000, 18-story hotel.

Building Material.—J. W. Adams, builder, P. O. Box 225, Charlottesville, Va.—Wants sub-bids on all lines of work for \$500,000 hotel for Jackson Park Hotel Co.

Candy-Making Equipment.—Chamber of Commerce, R. L. Clayton, Sec., Cleveland, Miss.—Wants data and prices on equipment for candy making.

Cans (Waste).—See Water Works.

Cars (Dump).—W. M. Smith & Co., First Ave., Birmingham, Ala.—Wants 50 to 100 second-hand, 50-ton dump cars.

Chairs (Rocking).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 14 for 32 porch rocking chairs; Norwood Calef & Co.'s model No. 1 or equal.

Cleaning and Pointing Stone.—King Lumber Co., Charlottesville, Va.—Wants bids on cleaning and pointing stone court house.

Concrete Finishing Machines.—See Road Building Equipment.

Cotton Tie Cutters.—Lorick & Lowrance, Inc., Columbia, S. C.—Wants cotton tie cutters; correspond with manufacturers.

Crate and Box Machinery.—See Woodwork Machinery.

Crusher (Jaw).—Hackley Morrison Co., 1708 Lewis St., Richmond, Va.—Wants No. 6 or larger Champion jaw crusher.

Derrick (Steel).—Hackley Morrison Co., 1708 Lewis St., Richmond, Va.—Wants 10 to 25 ton capacity steel derrick.

Derrick (Steel), etc.—The North Carolina Granite Corp., Granite Corp., Mount Airy, N. C.—Wants derrick, steel boom and mast, either guy or stiff leg, capacity from 10 to 25 tons; will consider purchasing hoisting engine to go with equipment; state condition, etc.

Dies.—Auto Comfort Accessories Co., A. A. Vines, Mgr., Oak Hill, W. Va.—Wants dies.

Electric Light and Water Works Improvements.—City of Mansura, La., Arthur J. Escude, Mayor.—Will receive bids Feb. 25 for one 50 h.p., one 100 h.p. crude oil engine; directly connected alternators and power pump, 500 gals. per minute capacity; 2 exciters, motor driven air compressor, motor driven centrifugal pump, 8-in. tubular well, 68,000-gal. concrete reservoir, 50,000-gal. elevated tower and tank, cast iron pipe main and specials, valves, hydrants and usual galvanized house connections, etc.; complete pole line material, transformers and meters, etc.; F. P. Joseph, Conslt. Engrs., Glenmora.

Electric Dish Washers.—J. H. Block,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Vevey, Switzerland.—Wants data and prices on electric dish washers.

Electric Wiring, etc.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Will receive bids Feb. 17 to furnish and deliver electric wiring, materials, lumber, etc.; U. S. Quarantine Station, Gulf, Miss.

Engine.—See Electric Light and Water Works Improvements.

Engine (Hoisting).—Hackley Morrison Co., 1708 Lewis St., Richmond, Va.—Wants 8x10 double cylinder, double drum hoisting engine with boiler and swinger.

Engine.—See Derrick (Steel), etc.

Engines (Gasoline).—Davis Equipment Co., 50 Church St., New York.—Wants three small single drum hoisting engines, gasoline driven, for export use; prefer used equipment.

Excelsior Machinery.—H. G. Fritchie, Box 678, Meridian, Miss.—Wants Machinery for the manufacture of excelsior.

Fire Hydrants.—See Water Works.

Filter (Oil).—See Water Works.

Flooring (Hardwood) Machine.—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants dealers' prices on second-hand or rebuilt hardwood flooring machine with capacity of about 60 lin. ft. per minute.

Fuse Switches.—See Sheet Metal Supplies, etc.

Generator Set.—See Electric Light and Water Works Improvements.

Generator Set.—See Water Works.

Glass.—See Building Material.

Gravel.—Louisiana Highway Comsn., W. E. Atkinson, Chmn., Raymond Bldg., Baton Rouge, La.—Will receive bids March 3 for 675 cu. yds. washed gravel and 1351 cu. yds. of 40% sand clay gravel, or as an alternate 2026 cu. yds. of 60% sand clay gravel; delivered f.o.b. cars at Morganza, for following highway: State Project 89-D2 Point Coupee Parish, Morganza-Ravenwood highway; W. B. Robert, State Highway Engr.

Gravel.—Louisiana Highway Comsn., W. E. Atkinson, Chmn., Raymond Bldg., Baton Rouge, La.—Will receive bids Feb. 24 to furnish gravel to surface following highway: State Proj. 343-B, Red River Parish, Shreveport-Natchitoches highway; approximate quantities are: 3558 cu. yds. washed gravel and 7134 cu. yds. 40% sand-clay gravel, or as alternate 10,692 cu. yds. of 60% sand-clay gravel; delivery points: Grand Bayou, Emmets Spur, Harmon and Gahagan on T. & P. Railroad.

Grinder (Cylinder), etc.—Howard Machine Shops, Box 724, Beeville, Tex.—Wants new or used cylinder grinder; also shaft and piston grinder; state condition, etc.

Hardware.—See Building Materials.

Hose (Fire).—City of Cumberland, Md.—Will receive bids Feb. 16 to furnish 1500 ft. of 2½-in. double-jacket cotton, rubber-lined fire hose, with couplings; Harry Irvine, Commr. of Police and Fire.

Hose (Fire).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 13 for 500 ft. of 2½-in. fire hose.

Ice Cream Plant Machinery.—Chamber of Commerce, R. L. Clayton, Sec., Cleveland, Miss.—Wants data and prices on machinery for ice cream plant.

In-a-Door Beds.—H. L. Miller, 611 Haines St., Dallas, Tex.—Wants data and prices of manufacturers of in-a-door beds.

Incinerator.—R. L. Pickett, City Mgr., High Point, N. C.—Will receive bids March 5 to furnish complete incinerator plant for city, population 25,000.

Iron Pallets.—Alabama Clay Products Co., Birmingham, Ala.—Wants approximately 300 galvanized or steel pallets, 11 or 12-in. x 34 or 36-in. long.

Key Way Cutting Attachment for Drill Press.—See Lathes, etc.

Kitchen Cabinets, etc.—H. L. Miller, 611 Haines St., Dallas, Tex.—Wants data and prices on Kozy kitchen cabinets, etc.

Kitchen Equipment.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 16 for kitchen equipment for the U. S. Veterans Hospital, Washington, D. C.

Knitting Machines.—Yonts & Son, R. G., Lexington, N. C.—Wants prices on knitting machines for hosiery mills; correspond with dealers.

Lathes, etc.—T. E. King, Mgr., Denmark Machine and Foundry Co., Denmark, S. C.—Wants one small engine lathe, screw cutting, either quick change or loose gear type, fitted with 4-jaw chuck and large and small face plates, complete counter shaft, to swing not less than 8 to 10-in. over ways, not over 6-ft. bed; also one screw-cutting engine lathe, not over 30-in. swing and not less than 20-in., 10 or 12 ft. bed, raised or loose geared lathe preferred or semi-quick-change gear; also one key way cutting attachment for drill press for cutting key ways in small and medium pulleys, gears, etc.; state condition, price, etc.; correspond with dealers or manufacturers.

Linoleum.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 13 for 280 sq. yds. linoleum.

Lockers (Bedside).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 21 for 1500 bedside lockers.

Lumber (Creosoted).—John M. Murch, Galveston County Auditor, Galveston, Tex.—Will receive bids Feb. 17 for approximately 18,000 ft. B. M. of creosoted lumber; delivery f.o.b. cars, Dickinson, Tex.

Machine (Stitching), etc.—James W. Derrick, Pres., United Window Shade Cleaning Co., 100 S. Washington St., Baltimore, Md.—Wants stitching machine, mangles, etc., for plant.

Magnet (Mushroom).—W. M. Smith & Co., First St., Birmingham, Ala.—Wants one mushroom magnet.

Market Counter Equipment.—Board of Public Service, Room 208, City Hall, St. Louis, Mo.—Will receive bids Feb. 17 for counter equipment for the New Union Market.

Marquise (Metal or Glass).—E. G. Bradford, Bladenboro, N. C.—Wants prices and designs on metal and glass marquise, 10x50-ft. for store front.

Marquise.—Joseph Grabenstein, Cumberland, Md. contr. for store building for S. E. Klein & Son—Wants information and prices on marquise.

Manila Rope.—Mississippi River Comsn. First and Second Districts, 1006 McCall Bldg., Memphis, Tenn.—Will receive bids March 2 to furnish and deliver 111,200 lbs. manila rope.

Mechanical Equipment.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Will receive bids March 2 for repairs and completion of the mechanical equipment at the immigration station, Baltimore, Md.

Metal Working Machinery.—Gould & Yates 409 N. 24th St., Birmingham, Ala.—Wants machinery to make corrugated iron roofing, second-hand equipment.

Meters.—See Water Works.

Miscellaneous Supplies.—William Ashton Doble, Crocker Bldg., San Francisco, Cal.—Wants the representation for the Pacific Coast of high-grade products.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Will receive bids Feb. 25 to furnish motor, air compressor, electric cable and wire, panel board, switch keys, flashlights; spark plugs, storage batteries, steel

tores, iron oxide, slab zinc, chamols skin, blue denim, ledger paper, etc. Blank forms and information (Circular 1653) on application to offices of Panama Canal; Asst. Purchasing Agents at 24 State St., New York; 611 Gravier St., New Orleans, La.; Fort Mason, San Francisco, Cal.; also U. S. Engineer offices throughout country.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Will receive bids Feb. 19 to furnish steel, iron, boiler tubes, lead pipe, corrugated roofing and ridge roll, solder, glass, paint, varnishes, scales, clocks, cable clips, shackles, rosin, brass chain, welding rods and wire, silver plated knives, aluminum ware, cotton sheeting, mattress ticking, towels, etc. Blank forms and information (Circular 1654) on application to offices of Panama Canal; Asst. Purchasing Agents at 24 State St., New York; 611 Gravier St., New Orleans, La.; Fort Mason, San Francisco, Cal.; also from U. S. Engineer offices throughout the country.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Will receive bids Feb. 13 to furnish charcoal broiler, hand-operated punching and shearing machine, electric toaster, voltmeter, cotton tape, varnishes, lightning arresters, electric bells, blinker keys, tumbler switches, ceiling rosettes, push buttons, hand horns, wood battery separators, flue expanders, carpenters' braces, machinists' hammers, augers and bits, cold chisels, garden hose, grass hooks, brakeband lining, etc. Blank forms and information (Circular 2373) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Motors.—James W. Derrick, Pres., United Window Shade Cleaning Co., 100 S. Washington St., Baltimore, Md.—Wants motors for plant.

Optical Supplies.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 16 for optical supplies.

Painters' Supplies.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 13 for painters' supplies.

Painting.—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Will receive bids Feb. 18 for painting walls and woodwork on second floor, Southwestern Police Station, Calhoun and Pratt Sts.

Painting, etc.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Will receive bids March 2 for exterior and interior painting, re-roofing, etc., at the U. S. immigration station, Baltimore, Md.

Pavers.—See Road Building Equipment.

Paving, etc.—Board of Public Service, St. Louis, Mo.—Will receive bids Feb. 17 to pave and lay sidewalks on Fourteenth St. Bridge; plans, etc., on file.

Paving.—Ouachita Parish Police Jury, Monroe, La.—Will receive bids Feb. 11 to repair 6200 sq. yds paving on Jonesboro Highway, West Monroe; concrete base and two-course sheet asphalt top.

Paving.—See Sewers, etc.

Pipe.—Dean-Tyler Co., Inc., Sarasota, Fla.—Wants data and prices on water pipe for 375 lots in subdivision.

(Pipe (Concrete)).—See Sewer Construction.

Pipe (Cast Iron).—See Water Works.

Pipe (Galvanized and Black).—See Sheet Metal Supplies, etc.

Pipe (Copper), etc.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Will open bids Feb. 10 to deliver copper pipe, pipe bends and nipples, etc., for the Helium Production Plant, Fort Worth, Tex.

Piping Material.—See Water Works.

Pumping Units (Motor Driven).—U. S. Engineer Office, 250 Old Land Bldg., Washing-

ton, D. C.—Will receive bids March 3 to furnish, install and test motor-driven pumping units for the water supply for the Dist. of Columbia.

Pumps (Centrifugal).—See Water Works.

Pumps.—See Electric Light and Water Works Improvements.

Radiator Protector.—Auto Comfort Accessories Co., A. A. Vines, Mgr., Oak Hill, W. Va.—Wants to contract for the manufacture of Kron radio protector.

Rails.—W. M. Smith & Co., First Ave., Birmingham, Ala.—Wants 10 ml. of 56 or 60 lb. rails, delivery in Louisiana.

Ranges (Electric).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Feb. 13 for electric ranges; also diet kitchen equipment for U. S. Veterans Bureau Hospital, Oteen, N. C.

Reservoir (Concrete).—See Electric Light and Water Works Improvements.

Road.—Harris and Galveston Counties, Houston, Tex.—See Construction News—Road and Street Construction.

Road.—State Highway Dept., East Point, Ga. See Construction News—Road and Street Construction.

Road.—Jefferson County, Birmingham, Ala. See Construction News—Road and Street Construction.

Road.—Fairfield County, Winnsboro, S. C. See Construction News—Road and Street Construction.

Road.—Polk County, Bartow, Fla.—See Construction News—Road and Street Construction.

Road.—Louisiana Highway Comm., Baton Rouge, La. See Construction News—Road and Street Construction.

Road.—State Road Dept., Tallahassee, Fla. See Construction News—Road and Street Construction.

Road Building Equipment.—Foster Construction Co., Wilkesboro, N. C.—Wants prices on second-hand, 14E pavers, 10-ton road rollers, truck loaders and concrete finishing machines.

Road Rollers.—See Road Building Equipment.

Roofing.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Will receive bids Feb. 17 to furnish 1500 rolls roofing, asbestos, greenslate surfaced; delivery Marine Barracks, Quantico, Va.; Sch. 423.

Seawall, etc.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Will receive bids Feb. 15 to rebuild seawall, construct breakwater, dredge and replace fender piles at the U. S. Quarantine Station, Boston, Mass.

Sewers.—City of Vero, Fla., B. T. Redstone, Mayor.—Will receive bids March 2 for following: 500 lin. ft. of 18-in., 2800 lin. ft. of 15-in., 2732 lin. ft. of 12-in., 5776 lin. ft. of 10-in., 27,908 lin. ft. of 8-in., 1376 lin. ft. of 6-in. sewer pipe; 44 lin. ft. of 18-in., 44 lin. ft. of 8-in., 100 lin. ft. of 6-in. cast iron sewer; 8 concrete piers, 12 lamp holes, 137 manholes, 2 sewage pumping plants; Carter & Damerow, Engrs.

Sewer Construction.—City of Tampa, Fla., Wm. E. Duncan, Clk.—Will receive bids Feb. 24 for sewer system, catch basins, manholes, etc.; 60 lin. ft. of 8x4 ft. concrete box; 20 lin. ft. of 16-in., 60 lin. ft. of 18-in. 140 lin. ft. of 24-in., and 40 lin. ft. of 30-in. concrete pipe; 2 manholes.

Sewers, etc.—City of Kingsport, Tenn., F. L. Cloud, Mgr.—Will receive bids Feb. 17 for following work in Improvement District No. 26: 1500 cu. yds. excavation; 1545 sq. yds. concrete paving; 50 lin. ft. of 12-in. storm sewer; 2 catch basins; 1 manhole; 1120 lin. ft. of 6-in. sanitary sewer; 580 sq. yds. concrete sidewalk.

Shade Cloth, etc.—Cutright-Sharps Co.,

Buckhannon, W. Va.—Wants unfilled shade cloth.

Sheet Metal Supplies, etc.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Will receive bids Feb. 13 to furnish sheet metal supplies; Sch. 413; also on Feb. 12 to furnish 75 Matthews type H. Q. fuse switches; Sch. 417; and on Feb. 10 to furnish 7700 galvanized wrought steel pipe and 4500 ft. black wrought steel pipe; Sch. 415; all delivered to Post Quartermaster, Marine Barracks, Quantico, Va.

Signs (Street).—P. C. Painter, City Mgr., City Hall, Greensboro, N. C.—Will receive bids March 10 to furnish 2500 double faced signs or 5000 single faced signs together with brackets, etc.

Stamping (Metal) Machines.—Gould & Yates, 409 N. 24th St., Birmingham, Ala.—Wants stamping machines for metal shingles, etc.

Steel.—See Building Materials.

Street Improvement.—City of Ocala, Fla.—See Construction News—Road and Street Construction.

Street Paving.—City of Tampa, Fla.—See Construction News—Road and Street Construction.

Street Signs.—R. L. Pickett, City Mgr., High Point, N. C.—Will receive bids March 5 to install street signs at every corner and numbering all houses; population \$25,000.

Tank and Tower.—See Electric Light and Water Works Improvements.

Tank and Tower.—See Water Works.

Tapping Machines.—See Water Works.

Terrazzo, Floor Tile, etc.—Joseph Grabenstein, Cumberland, Md., Contr. store building for S. E. Kline & Son—Wants information and prices on terrazzo, floor tile, etc.

Valves (Gate).—See Water Works.

Track-Laying Machine.—W. M. Smith & Co., First Ave., Birmingham, Ala.—Wants second-hand overhead operated track-laying machine; prefer Clyde pattern.

Viaduct.—Sanitary & Drainage Comm., Charleston, S. C. See Construction News—Bridges, Culverts, Viaducts.

Water Works Improvements.—City of Hickory, N. C., John W. Ballew, Mgr.—Will receive bids Feb. 19 for water works improvements: Brick and concrete filter house addition, concrete filter tub, concrete coagulation basin, concrete reservoir, filter plant equipment; Gilbert C. White Co., Engrs., Durham.

Water Works.—Dean-Tyler Co., Inc., Sarasota, Fla.—Wants data on water system for 80-acre development; artesian well will bring big flow to surface.

Water Works Material.—See Water Works.

Water Works.—Town of Ormond, Fla.—John W. Robinson, Clk., will receive bids March 10 for water works system: 8-in. drilled wells, structural steel and masonry pumping station, motor driven centrifugal pumps, gasoline engine centrifugal pump standby unit, low pressure motor-driven air compressor, reinforced concrete water softening, plant, elevated tank, generating unit of approximately 150 h. p. Approximate piping material: 40,000 ft. of 6-in., 7000 ft. of 8-in. and 17,000 ft. of 10-in. cast iron pipe; 25 tons of fittings; 50 two-way fire hydrants, 4 three-way hydrants; 90 6-in. 30 8-in. and 40 10-in. gate valves; 15,000 ft. 1½-in. galvanized steel service mains. All accessories together with complete pumping plant equipment and oil filter; oil tanks; waste cans, tapping machine, stock of water works material; brass goods, meters, pipes, fittings, valves, tools; etc.; Main Engineering Co., Engrs., 112 Baker St., Daytona.

Woodworking Machinery.—W. K. Dickson, 1605 Elizabeth Ave., Charlotte, N. C.—Wants data and prices on machinery for the manu-

facture of crates and boxes for truck shipment; correspond with manufacturers.

Wool Cleaning Machinery.—Charles E. Smith, 812 Gibbs Bldg., San Antonio, Tex.—Data and prices on wool cleaning machinery.

Financial News

New Financial Corporations

Ala., Birmingham—Brotherhood of Locomotive Engineers Bank & Trust Co., Ledger Bldg., First Ave. and Twenty-first St., capital \$500,000, incorporated with W. W. Gard, Pres.; will take over Federated Bank & Trust Co.

Ala., Birmingham—Birmingham Building & Loan Assn., capital \$1,500,000, incorporated by E. S. Moore, Jefferson County Bank Bldg., Jay Smith.

Ala., Birmingham—Securities Co., incorporated; E. U. Hamill, First National Bank Bldg., E. L. Loyd.

Ala., Monroeville—First National Bank of Monroeville, capital \$50,000, organized; D. M. Maxwell, Pres.; J. C. Hudson, Cashier.*

D. C., Washington—Morris Plan Bank, of District, reported to take over Fidelity Savings Co., Inc., with \$100,000 capital, Henry P. Blair, Pres., Colorado Bldg.

Fla., Arcadia—De Soto Savings & Loan Co., capital \$15,000, chartered with Geo. T. Stonebraker, Pres.; Rupert Smith, Sec.-Treas.

Fla., Avon Park—General Finance & Security Co., National Metropolitan Bank Bldg., John B. Densmore, Pres., Washington, D. C., will merge with Lake Glenada Co., Avon Park.

Fla., Crystal River—A. A. Marshall, 1476 Broadway, and associates, of New York, plan forming Loan & Trust Co.

Fla., Daytona—Peninsula Abstract & Title Guarantee Co., capital \$500,000, chartered with M. T. Courtney, Pres.; Paul F. Daniel, Sec.

Fla., Delray—Delray Mortgage & Insurance Co., capital \$15,000, chartered with W. B. McCarthy, Pres.-Treas.; J. S. White, Sec.

Fla., Dunedin—Illinois Investment Co. chartered with R. C. Skinner, Pres.; M. W. Lloyd, Sec.-Treas.

Fla., Fort Myers—Fort Myers Realty Bond & Mortgage Co., capital \$10,000, chartered; P. A. Franklin, Pres.; Johnnie Stornes, Sec.-Treas.

Fla., Jacksonville—Southern Savings & Mortgage Co., capital \$600,000, chartered; John N. Disselkeon, Pres.; C. N. Griffin, Sec.-Treas.

Fla., Melbourne—Melbourne State Bank, F. C. Powell, Pres., will increase capital, \$20,000 to \$50,000.

Fla., Miami—Hartford Securities, Inc., capital \$5,000,000, chartered; Pierce N. Hartford, Pres.-Treas.; B. R. Chaplin, Sec., 506 First National Bank Bldg.

Fla., Miami—Fulton Investment Co., capital \$150,000, chartered with E. B. Kurtz, Pres., 404 Lawyers Bldg.; W. J. Whitman, Sec.-Treas.

Fla., Miami—Wesley H. Kelley Co., Southern Department, Inc., capital \$25,000, chartered with Wesley H. Kelley, Pres.; Filbert J. Deene, Sec.

Fla., Orlando—Newton Investment Co., capital \$1,000,000, chartered; V. B. Newton, Pres.; E. R. Newton, Sec.-Treas.

Fla., Orlando—Orange Investment Co., capital \$50,000, chartered; L. M. Autrey, Pres.; J. C. Murchison, Jr., Sec.-Treas., State Bank Bldg.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Palm Beach—Spain Investment Co., capital \$105,000, chartered; Wm. J. Spain, Pres.-Sec.

Fla., Palm Beach—U. S. Mortgage & Loan Co., Exchange Bldg., capital \$100,000, organized with V. Mason Weil, Pres.; R. E. Nicholson, Sec.

Fla., Pensacola—West Florida Investment Co., capital \$50,000, chartered; A. C. Wilson, Pres.; C. J. Brown, Sec.-Treas.

Fla., Sarasota—First Bank & Trust Co. increased capital from \$50,000 to \$100,000.

Fla., Tampa—Union Mortgage & Finance Corp., capital \$500,000, chartered with Oscar A. Atala, Pres.; Laurence Hernandez, Sec.

Fla., West Palm Beach—Northwood Bond & Trust Co., capital \$50,000, chartered with G. W. Bingham, Pres.; G. L. Henderson, Cashier.

La., Baton Rouge—Hearn-Collens, Inc., capital \$50,000, chartered; Lytle D. Hearn, Pres., Camella St.; L. W. Collens, Sec.-Treas.

Md., Baltimore—Corporate Fiduciaries Assn. of Baltimore City organized with F. Howard Warfield, V.-P., Charles and Lexington Sts.

Miss., New Albany—Bank of New Albany, capital \$60,000, chartered with J. F. Hall, Pres.; H. B. Caldwell, Sec., consolidated with Merchants and Farmers Bank.

Mo., St. Louis—National Retail Credit Finance Co. incorporated by David Woodlock, 3663 McRae Ave.; Maurice Rothschild, 5608 Pershing Ave.; Barney L. Schwartz.

N. C., Charlotte—Sherill-Bethea Finance Co., capital \$25,000, incorporated by H. C. Sherill, W. H. Bethea and C. H. Gover, Law Bldg.

N. C., La Grange—National Bank of La Grange, capital \$25,000, chartered with J. C. Rasberry, Pres.; G. T. Gardner, Cashier.

Okla., Drumright—Drumright Loan & Investment Co., capital \$20,000, chartered by A. G. Blauner, Ben Russell and E. E. O'Brien.

Okla., Oklahoma City—Mutual Savings & Loan Assn., Liberty National Bank Bldg., increased capital from \$700,000 to \$800,000.

Okla., Tulsa—Gillette-Kerr Investment Co., Commercial Bldg., capital \$400,000, chartered by J. M. and G. W. Gillette, P. M. Kerr.

S. C., Duncan—Peoples Bank of Duncan, capital \$25,000, organized with O. M. Moore, Pres.; J. S. McClimon, Cashier.*

S. C., Greenville—Pioneer Life Insurance Co., capital \$100,000, chartered; T. O. Lawton, Pres., 1511 Pendleton St.

S. C., Johnsonville—Citizens' Trust Co., capital \$25,000, incorporated by A. G. Eaddy, E. M. Husbands, S. B. Poston.

S. C., Johnsonville—Pee Dee Agricultural Credit Corp., capital \$25,000, chartered by A. G. Eaddy, E. M. Husbands, S. B. Poston.

S. C., Pacolet—Employees Savings Bank, J. K. Westmoreland, Pres., plans increasing capital from \$10,000 to \$20,000.

Tenn., Chattanooga—Felcho Trust Co. incorporated by W. F. Mills, Stephen R. Roddy, Hamilton National Bank Bldg.; T. W. Stanfield.

Tenn., Johnson City—Savings Building & Loan Assn., capital \$1,000,000, chartered by Stangarne Limbe, E. C. King, Natt. Winston.

Tex., Jasper—Jasper Finance Corp. plans increasing capital from \$15,000 to \$30,000.

Tex., Mexia—Mexia Building & Loan Co., capital \$500,000, chartered by J. K. Hughes, Julius and C. A. Nussbaum.

Tex., Waco—Shear Finance Corp., 325 S. Fifth St., capital \$60,000, chartered; Mrs. Mary T. Coman and Harold Shear.

Va., Clarendon—Title Insurance & Mortgage Co. of Arlington County incorporated with Clarence R. Ahalt, Pres.; H. Bruce Green, Sec.

Va., Norfolk—Old Colony Small Loan Corp., capital \$10,000 to \$100,000, chartered;

Clifton Hoghead, Pres., 830 W. 49th St.; Hersey E. White, Sec.

Va., Richmond—Davenport Insurance Corp. of Richmond, capital \$100,000, incorporated with Coleman Wortham, Pres., 920 Park Ave., Richmond; J. L. Wright, Sec.

W. Va., Jane Lew—Union Bank of Jane Lew, capital \$75,000, incorporated by W. A. Jackson, W. L. Hughes, S. G. Hall.

W. Va., Rhodell—First National Bank of Rhodell organized with \$25,000 capital; D. M. St. Clair, Correspondent.

New Securities

Ala., Phenix City—Water Works—City will vote Mar. 10 on \$80,000 bonds. Address City Clk.*

Ala., Selma—Hospital—Board of Directors of State Baptist Convention, W. A. Davis, Chmn., 315 23d St., Birmingham, authorized sale of \$125,000 bonds.

Ark., Russellville—Street Improvement—City sold \$150,000 5½% bonds to National Bank of Commerce, at par; John W. White, Commr. of Street Improvement Dist. No. 4.

Fla., Bradenton—Road—Manatee County will vote Feb. 23 on \$1,400,000 bonds. Address County Commrs.

Fla., Clearwater—School—Pinellas County School Board, R. S. Blanton, Supt., will call elections Feb. 27 on \$1,784,000 bonds: St. Petersburg, \$1,160,000; Safety Harbor, \$55,000; Largo, \$75,000; Clearwater, \$224,000; Lellman, \$165,000; Dunedin, \$105,000.

Fla., Dade City—Road—Pasco County Commrs. contemplate \$1,000,000 bond issue.

Fla., Fort Lauderdale—Bridge—City will vote Feb. 28 on \$200,000 bonds. Address City Clk.

Fla., Fort Lauderdale—Municipal Improvement—City will vote Feb. 21 on \$296,000 bonds, including \$120,000 waterworks, \$90,000 street, \$30,000 city hall annex, \$20,000 sewerage and drainage, \$15,000 fire station equipment, \$4000 North River Bridge, \$7000 widen approaches to Andrews Ave. Bridge, \$1000 toward completing Las Olas Bridges; \$4000 complete baseball park, etc.; address City Clk. Lately noted to vote Jan. 24.

Fla., Kissimmee—Street Paving, Sewer, Water—City Commrs. contemplate \$152,000 bond issue.

Fla., New Smyrna—Street Paving, Water Extension—City, Robt. L. Mudgett, Auditor, will probably receive bids in Apr. for \$390,000 bonds.*

Fla., Ocala—Hospital—City, Edward Drake Mgr., will vote March 3 on \$85,000 bonds. Lately noted to vote Feb. 3.

Fla., Orlando—School—Orange County, Board of Public Instruction, Jas. A. Knox, Chmn., will receive bids Feb. 24 for \$200,000 5% \$1000 denom. Special Tax School Dist. No. 1 bonds.

Fla., Palatka—Paving—City sold \$84,000 6% Series A bonds to Farson, Son & Co., New York, at 103.77.

Fla., Sanford—Road—Seminole County Commrs. contemplate \$1,500,000 bond issue. Address County Commrs.

Fla., Tampa—School—Hillsborough County School Board, J. E. Knight, Supt., will receive bids March 5 for \$100,000 Interbay (Ballast Point) Special School Tax Dist. bonds.*

Fla., Tampa—School—Hillsborough County School Board, will call election March 10 on \$100,000 Sulphur Springs Special School Tax Dist. bonds.

Fla., Tampa—School—Hillsborough County School Board sold \$1,000,000 5% \$1000 denom. bonds to Exchange National Bank of

Tampa and associates, at premium of \$36,011 and accrued interest.*

Fla., Tavares—School—D. H. Moore, Supt. of Lake County Schools, will receive bids Feb. 23 for \$10,000 5½% bonds.

Ga., Atlanta—Street Improvement—City, B. Graham West, Comptroller, sold \$122,000 4½% bonds to Harris Forbes & Co., New York, at \$123,465 and accrued interest.*

Ga., Berlin—School—City sold \$8000 6% \$500 denom. bonds to J. H. Hillsman & Co., Inc., Atlanta.

Ga., Pelham—Water Works—City sold \$25,000 5% \$1000 denom. bonds to J. H. Hillsman & Co., Inc., Atlanta.

La., Chaneyville—Water and Electric Light—City sold \$27,000 6% bonds to Peoples' Savings Bank of Mansum.

La., Kinder—Water Works—Town will vote soon on \$50,000 bonds; F. P. Joseph, Conslt. Engr., Glenmora.

La., Lake Charles—School—Calcasieu Parish Police Jury sold \$75,000, 5% De Quincy School bonds jointly to First National Bank Lake Charles Trust & Savings Bank, and Calcasieu National Bank, at par, accrued interest to Feb. 10.

La., Mansura—Water Works, Electric Light Plant—City, A. J. Escude, Mayor, will receive bids Feb. 25 on \$60,000 bonds; F. P. Joseph, Conslt. Engr., Glenmora.*

La., New Orleans—Masonic Temple, Grand Lodge of Louisiana, A. F. and A. M., sold \$1,500,000, 5½% bonds to Caldwell & Co., Nashville.*

La., Springville—Road—Livingston Parish, Sub-road Dist. No. 1 of Road Dist. No. 1, voted \$35,000 bonds.

La., Springville—School—Lincoln Parish School Board, M. E. Wascom, Pres., Oldfield, sold \$40,000 school dist. No. 28 bonds to L. E. French & Co., Alexandria.*

Md., Conowingo—Susquehanna Power Company, 61 Broadway, New York City, and Susquehanna Electric Co., requested authority Public Service Comm., to issue securities in connection with proposed \$52,200,000 electric power dam at Conowingo; Harold E. West, Chmn. of Comm., Baltimore.

Miss., Gulfport—Road and Bridge—Harrison County Board of Supvrs., Emile J. Adam, Pres., plans voting Feb. 28 on \$1,500,000 bonds.

Miss., Pass Christian—Street Paving—City contemplates \$25,000 bond issue. Address City Clk.

Miss., Woodville—Road—Wilkinson County contemplates \$100,000 bond issue. Address County Commrs.*

Mo., Illmo—Sewer—City sold \$15,000 5½% bonds to Kaufman, Smith & Co., St. Louis, at par.

Mo., Kansas City—School—Kansas City Board of Education sold \$1,000,000, 5%, \$1000 denom. bonds to Commerce Trust Co., at \$1,080,900.

Mo., Kansas City—Kansas City Power & Light Co., 912 S. W. Boulevard, of Kansas City, reported requested authority State Public Service Comm. to issue \$2,000,000 5% gold bonds.

Mo., Springfield—Road and Bridge—Greene County, Board of Commrs. of Sherwood Special Road and Bridge Dist., M. M. Crawford, Sec., will vote Feb. 25 on \$15,000 bonds.

Mo., St. Louis—Water—West St. Louis Water Co. requested authority Public Service Comm. to issue \$600,000 gold bonds.

N. C., Ashboro—Road and Bridge—Randolph County Commrs., John F. White, Chmn., sold \$500,000 4¼% \$1000 denom. bonds to H. D. Lindley & Co., Inc., 52 Broadway, New York, at 101.039.*

N. C., Charlotte—Hospital—Mecklenburg County Commrs. will receive bids March 16

for \$100,000 5% \$1000 denom. bonds; R. E. Young, Clk.*

N. C., Franklinton—Street Improvement, Water—City sold to Otis & Co., Cleveland, \$50,000 street improvement bonds at premium of \$270, and \$35,000 water bonds at premium of \$189.

N. C., Goldsboro—Public Improvement—City, J. G. Spence, Clk., sold \$150,000 4% bonds to Old Colony Trust Co., Boston, at par, plus accrued interest and premium of \$1015.*

N. C., Goldsboro—School—Board of Comrs., G. E. Grantham, Clk., sold \$25,000 Eureka Consolidated School Dist. bonds to Wachovia Bank & Trust Co., Winston-Salem, at premium of \$415.*

N. C., Hendersonville—School—Board of School Trustees, T. L. Durham, Sec., will receive bids Feb. 18 for \$280,000 5½% bonds.*

N. C., Matthews—Electric Light—City sold \$30,000 bonds to Prudden & Co., Toledo.

N. C., Roseboro—Water, Sewer—Town, L. M. White, Clk., sold \$85,000 6% bonds to Wells, Dickey & Co. and Wachovia Bank & Trust Co., Winston-Salem, at \$88,502 and accrued interest.*

N. C., Spencer—Street Improvement—Town Comrs., C. L. Burton, Clk., sold \$30,000 5% \$1000 denom. bonds to Caldwell & Co., Nashville, at premium of \$1250.*

N. C., Topsail—School—City sold \$60,000 5½% Topsail Township School Dist. bonds to Prudden & Co., Toledo, at premium of \$2000.

N. C., Wilson—Road—Wilson County Comrs., will call election March 5 on \$1,250,000 bonds.*

Okla., Holdenville—Water Works Improvement, Sewer—City will vote Mar. 17 on \$133,000 bonds: \$45,000 sewer, \$35,000 reservoir or storing tank, \$24,000 water line, \$29,000 additional pumps; J. D. Rives, Mayor.*

Okla., Lawton—Road—Comanche County will vote Mar. 10 on \$400,000 bonds. Address City Comrs.

Okla., Sallisaw—Funding—Sequoyah County sold \$36,000 6% bonds to Brown-Crummer Co., Wichita, Kansas.

S. C., Honea Path—Sewer—Town voted \$48,000 bonds. Address Town Clk.

S. C., Landrum—Water and Sewer—City sold \$100,000 bonds to A. M. Law & Co., Spartanburg, at premium of \$1550.

S. C., Lancaster—Lancaster County Commissioners will receive bids Feb. 27 for \$200,000 5% \$1000 denom. coupon bonds; T. Y. Williams, Chmn.

Tenn., Cleveland—Street Opening—City contemplates selling \$50,000 bonds. Address City Clk.

Tenn., Kingsport—Street Improvement—City, F. L. Cloud, Mgr., sold \$72,500 6% \$500 denom. bonds to Seasingood & Mayer Co., Cincinnati, at 104.8 and accrued interest.*

Tenn., Knoxville—Street Paving—City, Louis Brownlow, Mgr., sold \$184,796 5% bonds to C. W. McNear & Co., Chicago, at \$189,847 and accrued interest.*

Tenn., Milan—Water and Light—Remodel School—City voted \$40,000 bonds. Address City Clk.

Tex., Brady—Water Works—City voted \$100,000 bonds; E. L. Jones, Mayor.*

Tex., Childress—School—Board of Education will call election soon on \$125,000 bonds.

Tex., Corsicana—Road, Indebtedness—Navarro County contemplates voting on \$6,000,000 bonds: \$3,500,000 road, and \$2,500,000 indebtedness; W. W. McClendon, Engr.; Ballard W. George, Judge.*

Tex., Cotulla—Water Improvements—La Salle County, Cotulla Irrigation Project, W. A. Kerr, Sec., sold \$75,000 6% La Salle Coun-

ty Water Improvement Dist. No. 1 bonds to M. W. Elkins & Co., Little Rock.*

Tex., Dallas—School Board of Education will call election April 7 on \$1,000,000 bonds; John C. Harris, Finance Commr.

Tex., Donna—Water Works—City will vote Feb. 24 on \$50,000 bonds. Address The Mayor.*

Tex., Giddings—Water Works Improvement, Sewer—City will vote Feb. 24 on \$46,000 water and \$45,000 sewer bonds; J. D. Fields, Mayor; J. W. Tate, Sec.

Tex., Lometa—Water Works Improvement, etc.—City will vote Mar. 15 on \$42,000 bonds. Address The Mayor.

Tex., Magnolia Park, Branch of Houston—Municipal Improvement—City will vote Feb. 24 on \$700,000 bonds: \$350,000 storm sewer, \$250,000 street improvement, \$50,000 water works improvement, \$50,000 sanitary sewer. Address The Mayor.*

Tex., Midland—School—Midland County plans voting on \$150,000 bonds; W. W. Lackey, Supt. of Schools.

Tex., Naples—School—City will vote Feb. 17 on \$34,000 bonds. Address C. D. Hibbetts, Pres., or W. O. Bryan, Sec., School Board.

Tex., Pharr—Street Paving, Water Works Improvement—City voted \$45,000 bonds: \$20,000 water and \$25,000 street paving. Address The Mayor.

Tex., Pittsburg—School—City sold \$110,060 5½% bonds to G. H. Walker.*

Tex., Roby—County Jail—Fisher County will vote Feb. 28 on \$50,000 bonds: R. B. House, County Judge.

Tex., Rosebud—Sewerage—City will vote Feb. 26 on \$38,000 bonds; G. W. Lehman, Mayor.

Tex., Sherman—Road—Grayson County contemplates voting on \$4,500,000 bonds. Address A. Y. Creager.

Tex., San Marcos—School Grounds—City will vote Feb. 24 on \$20,000 bonds. Address City Comrs.

Tex., Trinity—Road—Trinity County sold \$1,000,000 bonds to H. C. Burt & Co., Houston.

Va., Danville—Municipal Improvement—City contemplates voting in March on \$800,000 bonds: \$350,000 schools, \$100,000 streets, \$50,000 sewers, \$300,000 city hall and jail. Address City Auditor.

Va., Norton—Wise County, Richmond Dist., plans voting on \$150,000 bonds; H. A. Skeen, County Judge.

Va., Richmond—City, W. C. Hill, Auditor, sold \$900,000 4½% Shockoe Creek Special bonds to Planters National Bank and associates, Hayden Stone & Co., Lee, Higginson & Co., Brown Bros. & Co., Wm. R. Compton Co., at \$911,700.*

Va., Tappahannock—Bridge—Essex County Comrs. sold \$40,000 bonds to Southside Bank.

Financial Notes

First National Bank, John T. Scott, Pres., Houston, Tex., plans inaugurating new export credit facilities, with Horace L. Darton in charge of service.

Alexander H. Rutherford has been admitted as a partner to the banking and brokerage firm of Jenkins, Whedbee & Poe, Baltimore.

Bradford County Bank, Starke, Fla., has acquired Hampton State Bank of Hampton.

Phenix Life Insurance Co., Rome, Ga., plans changing name to Independent Life Insurance Co.

Trade Literature

Fine Calendar for 1925.

Havemeyer Bars are fully, instructively and entertainingly described and illustrated on the leaves of a remarkably fine and artistic calendar for 1925, published by the Concrete Steel Company, New York, and yet this is done in a way which does not detract in the least from the usefulness of the calendar. Printed in two colors, blue and black, on white paper of a superior character, the calendar is all that could be wished for business or other use. It is of the hanger type, with three months to a page, the type being large and distinct, so that figures can be easily read across a room. Illustrations appear at the top of the pages, but they are not obtrusive and really add to the appearance of the calendar.

About Southern-Made Sugar.

An attractive and exceedingly interesting pamphlet, entitled "Sugar Cane to Dixie Crystals," has been received from Lamborn & Company, Inc., of Savannah, Ga., general sales brokers for the Savannah Sugar Refinery that is situated at Port Wentworth, immediately adjacent to that city. The story narrated in the booklet gives the history of sugar production from the time the sugar cane is harvested at the plantation until it is turned out by the refinery as the white, crystallized sugar of commerce. This refinery serves the southeastern part of the country almost exclusively, but it has also shipped great quantities of sugar to Chicago, Indianapolis and other places outside of the South, so that it will be seen that its product finds sale in northern as well as in southern states. There are several appropriate pictures in the publication.

Book on Flue Linings and Chimneys.

"Flues and Flue Linings, With Related Data on Chimneys and Fireplaces," is the title of a publication of thirty-two pages, 8½ by 11 inches, issued by the Eastern Clay Products Association, Philadelphia, Pa. This book, which has been in course of preparation for more than a year, was compiled in co-operation with the Structural Service Bureau and D. Knickerbacker Boyd, consulting architect. Its contents include drawings and tables of recently adopted standard sizes of round and rectangular fire-clay flue linings, which also give the effective areas of rectangular linings and data on the proper and safe construction of chimneys and fireplaces. There is a special table of flue sizes and chimney heights for various boiler and heater capacities that is based on sea-level datum, with notes for computing variables due to other altitudes. Copies of the book may be obtained free from the association, Colonial Trust Building, Philadelphia, Pa., by architects, engineers, builders, etc.; to the general public the price is half a dollar.

New Stoker Bulletin.

The Combustion Engineering Corporation, Broad street, New York City, has issued a bulletin describing and illustrating a stoker which associates in England have installed very successfully throughout the British Isles and Continental Europe. It has several features that are unique in this country, by reason of which the corporation believes it will find application here to a number of plants which have not heretofore been able to avail themselves of the advantages of automatic stokers. The corporation will send copies on request to everyone interested.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Folder About Cast Iron Pipe.

In a folder issued by the McWane Cast-iron Pipe Co., Birmingham, Ala., are given pictures and other facts illustrative of the success attending the use of the company's product. The information is presented attractively and convincingly, showing how the pipe stood up under the severest tests.

A Finely Illustrated Folder.

The Byllesby Engineering & Management Corporation has published a large folder containing ten fine photographic illustrations concerning the Louisville Gas & Electric Co. of Louisville, Ky. There is also a map showing the lines of that company, besides a quantity of descriptive matter which is exceedingly interesting as well as being full of information. Progress charts showing the operations of the company occupy one page of the folder.

Durable Substance for Leaky Roofs.

L. Sonneborn Sons, Inc., of New York City have published a large folder about their product, "Stormtight," saying that one tiny leak or else an entire roof surface that is badly worn, can be made waterproof by applying this substance; also that an application over the entire roof will preserve it indefinitely and remove the necessity of painting every year. It is further stated that the product is an adhesive compound which does not dry out nor become hard and brittle, but it retains a rubber-like consistency indefinitely.

Water Heater Bulletin.

The "Marion Gulf Stream Water Heater" is the subject of Bulletin No. 210, issued by the Marion Machine, Foundry & Supply Co., Marion, Ind., and is described as an ideal, efficient water heater for hotels, apartment houses, office buildings, gymnasiums, factories, steel mills, sanitariums, restaurants, laundries, etc., supplying an abundance of hot water instantly. The heater is made of semi-steel castings; the outer casing is of steel and the inner chambers are of standard water pipe or copper tubes. Control is by a thermostat.

Electric Equipment for Cranes.

Electric equipment for cranes is comprehensively described and illustrated in Bulletin No. 48,372, issued by the General Electric Company, Schenectady, N. Y. A picture of an installation is on the front cover page, but there are sundry others inside, including one showing a 250-ton crane equipped with electric motors and with a magnetic control, while engaged in handling a large locomotive in a locomotive shop. The bulletin gives facts in detail concerning this equipment, supplementing the descriptive matter with tables, etc. The bulletin is really a handsome catalogue of 35 pages.

A Fine and Comprehensive Catalogue.

The new Jones general catalogue No. 30, issued by the W. A. Jones Foundry & Machine Co. 4401-4451 West Roosevelt road, Chicago, Ill., is a volume of about 450 pages, strongly bound in buckram and giving full particulars, with pictures of the extensive line of power transmitting machinery made at this plant. Tables of list prices, specifications, dimensions, etc., are spread throughout the book in relation to the many different products which in the aggregate compose the machinery. The printing is done on fine, heavy paper and the illustrations are of superior character. The volume will be preserved by everyone interested in such machinery because of its completeness as a book of reference.

Bulletin of Car Sill Sections.

Carnegie car sill sections are described and illustrated in a little bulletin issued by the Carnegie Steel Company, Pittsburgh, Pa. It says, among other things: "The new section—Center Sill Section, B112—has been designed especially for center-sill construction, possesses high physical properties and provides a center sill of high efficiency with minimum weight." A picture of a fabricated center sill, the section exhibited at the American Railway Association convention in Atlantic City last summer, is shown on the opposite page.

Ammonia Compressors Bulletin.

Bulletin No. 74 of the York Manufacturing Company, York, Pa., manufacturers of ice-making and refrigerating machinery, is entitled "Results of Operating Ammonia Compressors Under Single and Double Stage Conditions," and its contents are a copy of the paper read by the company's general manager, Thomas Shipley, at the National Association of Practical Refrigerating Engineers' Convention held at New Orleans, La., on November 13 last. This book of 28 pages is excellently illustrated with pictures and diagrams and tables pertinent to Mr. Shipley's remarks, and it will be heartily appreciated by refrigerating engineers everywhere.

Folder About West Point, Ga.

A small folder published by the Chamber of Commerce, West Point, Ga., presents in concise form leading and impressive facts about that place, which is described as a good manufacturing town, a good home town, a good business town, and it is a good place to live. At present there are 30,000 people within a seven-mile radius, it is stated, and the industries include five cotton mills with 187,000 spindles, a large sulphur fabric dye plant, etc., but there are needed a textile by-products factory, a knitting mill, a hosiery mill, a broom factory and other industries. There is cheap and abundant electric power and excellent transportation facilities with competitive freight rates.

Portable Road-Repair Outfit.

The Andresen road repair outfit, manufactured by Littleford Bros. of Cincinnati, Ohio, and sold by H. P. Andresen & Company, 4450-56 Ravenswood avenue, Chicago, Ill., is finely and fully illustrated and completely described in a catalogue issued by Littleford Bros. Besides other pictures relating to this equipment, there are 40 illustrations showing the outfit as it is handled in actual use on road work in different towns and cities and in repairing country roads. It is described as "A complete, portable outfit for economical and effective road maintenance." The book is really a manual for road builders and will, therefore, be appreciated by them for its sound advice.

New Truck Body and Hoist Catalogue.

The new body and hoist catalogue issued by the Hell Company, Milwaukee, Wis., and numbered 140 is the result of concentrated effort to make it as complete as possible on the subject of dumping equipment for motor trucks. Every truck body is suitably and finely illustrated by a half-tone cut of good size, with tabulated information ready for quick reference. At the foot of each page of description is a zinc outline picture of the body shown thereon, as reproduced from the actual blue print, and this can easily be filled out with necessary dimensions for placing an order. Six pages of this 28-page book are devoted to Hell hoists, hydro-mechanical, hi-lift, vertical hand hoists and underneath hand hoists. It is a most practical and useful catalogue.

An Artistic Catalogue of Boilers.

A catalogue with a beautiful and artistic cover in colors is that of the Heine Boiler Company of St. Louis, which tells all about the Heine longitudinal drum boilers of both the H-type, horizontally baffled, and the HC-type, cross baffled. This publication is of an unusually superior character, with excellent illustrations, including cross sections revealing details of construction. There are also pictures displaying installations in different places. The first boiler turned out by this organization was built in 1882 and it gave continuous service for 34 years, after which it was repurchased by the company and preserved as an exhibit. The manufacturing plants are at St. Louis, Mo., and Phoenixville, Pa., respectively; the sales agencies and representatives are widely distributed, including Atlanta, Ga.; Kansas City, Mo.; Charlotte, N. C.; Dallas, Tex.; Houston, Tex., and New Orleans, La., besides other prominent cities of the country, as well as in the Far East.

Book Reviews

Taking the Guesswork Out of Business. By William R. Basset. New York: The B. C. Forbes Publishing Company.

The author of this book of 180 pages is chairman of the board of Miller, Franklin, Basset & Company, industrial engineers and accountants. His narrative is the result of a comprehensive study of business operations with a steady, energetic aim toward economy, efficiency and profit. The titles of the respective chapters of the book afford a good general view of the nature of its contents, thus: "Guesswork vs. Scientific Planning;" "What Are You Going to Sell;" "The High Cost of Variety;" "Taking the Risk Out of Personal Selling;" "Taking the Risk Out of Buying;" "Eliminating the Financial Risk;" "To Get the Most Out of Advertising;" "Choosing a Sound Credit Policy;" "Eliminating the Risk of Strikes;" "Making Sure of Low Production Costs;" "Making Sure Your Prices Are Right;" "The Sure Way to Profits." Every business man will find much food for thought and action in this little volume.

Industrial Coal: Purchase, Delivery and Storage. A report of the American Engineering Council. New York: The Ronald Press Company.

Stabilization of the country's coal supply is a problem of far-reaching national concern. Strikes and disorders, intermittent operation of mines, panicky market conditions and coal shortages are some of the grave results of the present method of distributing coal. The report presented in this book of 410 pages considers from every viewpoint the problem of how to stabilize the coal industry and so insure always an adequate supply of fuel for industrial purposes. The findings, the conclusions and recommendations of the council are published concerning the production and distribution of coal throughout the United States, and particulars are also given about the extent of the practice of storing coal, the methods and equipment of storage plants and the physical and operating problems involved. The facts are stated about the coal required by this and that locality and the advantageous points for storage, transportation problems, the cost and maintenance of storage equipment, the actual cost of storage, etc., including problems of financing, insuring and taxing. A very important conclusion presented is that through practical storage methods each consumer of industrial coal can himself insure his own protection and the stability of his fuel supply.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

New Territorial Arrangements.

The Northwest Engineering Co., 28 East Jackson Boulevard, Chicago, Ill., builders of gasoline and electric convertible cranes, shovels and draglines, have made two new arrangements with territorial agents. The district about Minneapolis and St. Paul, Minn., will be handled by Borchert-Ingersoll, Inc., 2360 University avenue, St. Paul. The territory in and about Davenport, Iowa, will be handled by Girke-Robinson, Kahl Building, at Davenport.

New Battery Charger.

A new model two-ampere Tungal battery charger is now being sold by the General Electric Co., Schenectady, N. Y. It is so compact that it can be put in a radio cabinet and made part of the set. It may be used to recharge automobile batteries, as well as all radio A and B storage batteries. A feature of it is a well-marked terminal board on the outside of the casing, permitting one to charge different types of batteries merely by changing a single connection. It charges 6 or 12 volt automobile batteries, 4 volt radio A batteries, 6 volt radio A batteries and 24, 48, 72 and 96 volt radio B batteries. An insulating transformer is a safety feature.

Big Movement of Building Supplies.

A heavy volume of plaster, lime, mason's hydrate, gypsum lath and wall-board and other gypsum building materials is moving into the southeastern part of the country, according to a survey published by the United States Gypsum Co., 205 West Monroe street, Chicago, Ill. It is also stated that the movement is about twice as large as it was at this time a year ago. Tennessee, Georgia and Florida are centers of this activity. In Nashville two new hotels are being erected for which over 30 cars of plaster and finishing lime are being shipped, and a war memorial building will require from 1000 to 1500 tons of plaster. At Miami, Fla., several apartment buildings and hotels, one of them valued at \$7,000,000, are in progress and work is also proceeding on large theaters and office buildings. There, as well as in Jacksonville and other parts of Florida, a great volume of residence and apartment-house construction is being done and important office buildings are also being built or are planned for early erection. At New Orleans several large hotels and some fine homes are under way and in Atlanta residence and commercial construction has been placed.

Safety Flooring and Steps.

Non-slipping floors and stair steps manufactured by the Irving Iron Works Co., Long Island City, N. Y., in which line this organization was among the pioneers, include the "Subway" non-slipping open-steel flooring and "Safstep" non-slipping steel stair or ladder steps. In these Irving specialties the non-slipping feature is not secured by any abrasive material, lead insets or other outside means, but it is permanent in the flooring and steps, for it is the result of an alternate arrangement of straight and "reticulate" steel bars solidly riveted together with all edges flush on one side, and in panels of suitable proportions. Barrels or trucks may be readily and easily rolled upon this surface, yet it is smooth to walk upon with a peculiar foot-gripping quality which, it is stated, is not lessened by wear or by substances that may fall upon it. The flooring is so made that it allows a maximum of light and air to pass through it.

Good Year for du Pont Products.

The annual report of E. I. du Pont de Nemours & Co., Wilmington, Del., for 1924 shows that the general depression during part of the year did not seriously affect the company's business. Net sales for the year were \$90,861,633, as compared with about \$94,000,000 for 1923. Large sales of some of the important new products—artificial silk, Duco finishes and tetra-ethyl lead—contributed to the total of net sales. Current assets amount to \$63,816,984 and current liabilities to \$6,839,979, resulting in net current assets of \$56,977,005. The company's development in recent years into closely-related branches of chemical manufacture has placed it in the position of supplying important materials for many industrial activities, and an interesting glimpse of the extent to which the company's products flow into other industries is given in a table showing that 19 per cent of the total sales are to the mining industry; construction and maintenance, 17 per cent; textiles, 16 per cent; automotive industry, 14 per cent; agriculture, 7 per cent; chemical manufacture, 4 per cent; sporting and military powders, 2 per cent; miscellaneous, 16 per cent; export, 5 per cent; total, 100 per cent. Among the investments made by the company in line with its general chemical development was a further increase of facilities of the du Pont Fibersilk Company by the purchase of another plant site at Old Hickory, near Nashville, Tenn. A portion of this plant will be in commercial production early this year and the rest before many months.

Changes in Excavating Machinery.

The Northwest Engineering Co., 28 East Jackson Boulevard, Chicago, Ill., builders of cranes, draglines and shovels, have made some changes in their line of crawler equipment. Model 104 will hereafter be a 1½-yard shovel, a 12-ton crane, a 1-yard dragline, or a pull-shovel with a 42-inch dipper. These machines have 24-inch treads 15 feet long, assuring broad bearing and greater stability. They ship without dismantling, like all others of the same make, and are convertible without any change in the basic machinery. Model 105 is designed as a ¾-yard shovel (¾-yard struck), a 10-ton crane, a ¾-yard dragline and a trench pull-shovel with a 33-inch dipper. It has 20-inch treads. All models are controlled by one man from the seat on the cab deck and "Feathertouch" lever control is standard equipment.

E. I. Cornbrooks Appointed Sales Manager.

E. I. Cornbrooks has been appointed sales manager of the Newport News Shipbuilding & Dry Dock Company, Newport News, Va., succeeding Benjamin G. Fernald, who has resigned on account of ill health. Mr. Cornbrooks has been connected with the company for nearly 20 years as chief draftsman in the hull department and later as superintendent of hull construction and superintendent of construction. He has also had an important share in the development of the company's new products.

Balancers for Pneumatic Tools.

The Chicago Pneumatic Tool Company, 6 East Forty-fourth street, New York City, has entered into an agreement whereby they will become exclusive distributors of the Pedwyn Balancer throughout the United States. This device provides means for suspending, lifting and balancing pneumatic portable tools, increasing labor efficiency and decreasing overhead hazards. To insure prompt execution of orders the company will carry a stock of these balancers at each of their 22 branch and service stations.

Lynn B. Easton.

Lynn B. Easton, manager of the Laidlaw Works of the Worthington Pump & Machinery Corporation, died at Cincinnati on January 24 and announcements accordingly have been sent out by President C. P. Coleman, New York City, expressive of sorrow and stating that Mr. Easton's years with this and predecessor companies have been conspicuous for their variety of service well performed. Mr. Easton died just before his fortieth birthday.

In New Building.

The Manhattan Perforated Metal Co., Inc., on February 1 occupied their new building at 305 East Forty-fifth street, New York City.

Improvements for Tampa Gas Company.

Tampa, Fla., January 31—[Special.]—The Tampa Gas Co. plans to increase the storage capacity of its plant to 2,600,000 cubic feet, or four times the present capacity, and lay 20 miles of additional gas mains. In 1924 the company laid 26 miles of gas mains and connected 2100 consumer services.

Retrospective Appraisals in Federal Tax Cases.

"Retrospective Appraisals" is the title of a booklet issued by Lockwood, Greene & Co., engineers, of New York, Boston and other cities, including Charlotte, Spartanburg and Atlanta. This booklet contains information concerning the latest practice laid down by the United States Internal Revenue office at

Washington as covering the use of appraisals in Federal tax cases, and it is interesting to note that Lockwood, Greene & Co. were one of three concerns called in by the Treasury Department to assist in preparing this regulation. Retrospective appraisals, it is remarked in the foreword to the booklet, cannot be dealt with by routine methods, for each case presents problems peculiar to itself, and demands special analysis and treatment.

The Underhill Development Co. of Bradenton, Fla., G. C. Underhill, president, has organized with a capital stock of \$100,000 to build a number of dwellings in a new development of 20 acres on Florida avenue.

Your trucks will need Kelly Kats this winter

This winter, when the roads and streets are covered with snow and ice, your trucks will need Kelly Kats.

They will need the surefooted traction of Kelly Kats to help them keep going, to hold the road and to avoid accidents.

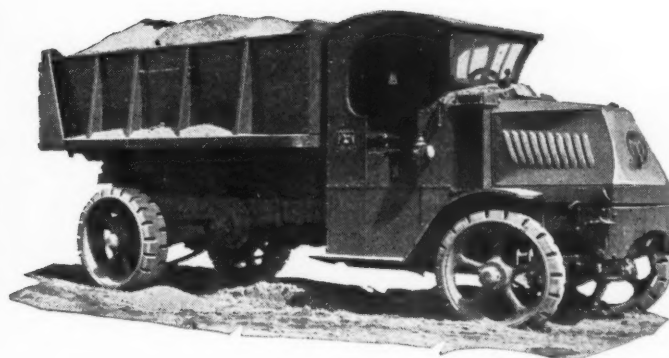
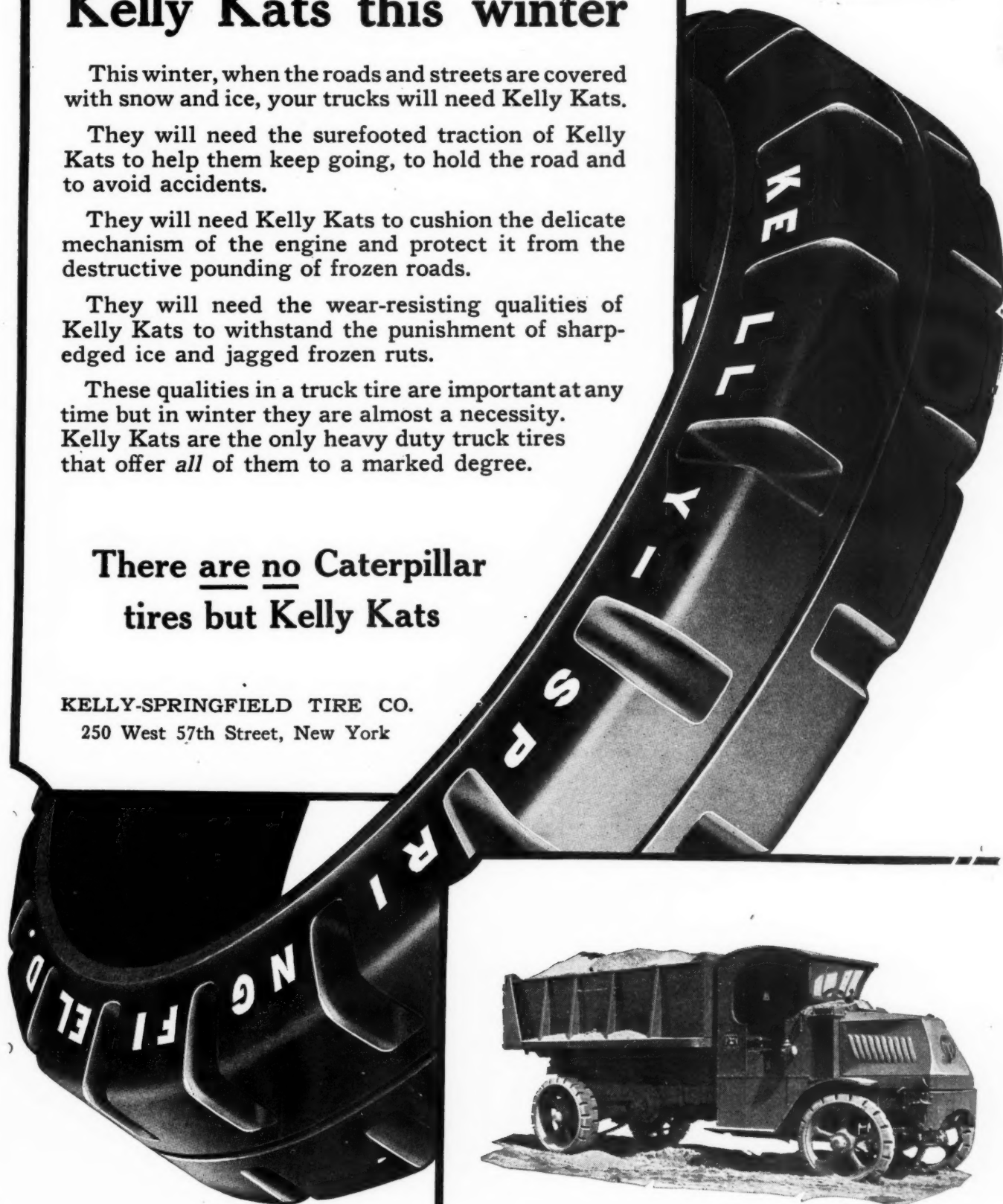
They will need Kelly Kats to cushion the delicate mechanism of the engine and protect it from the destructive pounding of frozen roads.

They will need the wear-resisting qualities of Kelly Kats to withstand the punishment of sharp-edged ice and jagged frozen ruts.

These qualities in a truck tire are important at any time but in winter they are almost a necessity. Kelly Kats are the only heavy duty truck tires that offer *all* of them to a marked degree.

There are no Caterpillar tires but Kelly Kats

KELLY-SPRINGFIELD TIRE CO.
250 West 57th Street, New York



In all kinds of work and under all kinds of conditions, Kelly Kats are giving satisfactory service and money saving mileage.

Suggests Definite Information Be Given on Through Highways for Southern Travel.

R. M. RICHTER, Secretary, The Furst-Kerber Cut Stone Co., Bedford, Ind.

I have read with a great deal of interest your article, "Southern States Make Rapid Progress in Highway Construction and Improvement."

A system of improved highways north of the Ohio and west of the Mississippi has grown to such an extent in the last few years, and has been so well advertised, that during open weather the number of tourists challenges the imagination.

Whenever, on the other hand, consideration is given a possible tour into the South and Southeast it becomes a problem and a study of the possibility of getting through. For example, the recommendation up North is that any one touring to Florida had best go by way of Washington, D. C., which for Ohio and Western states means an immense added mileage.

It is generally understood that the Southern states are engaged in an extensive highway improvement program, but there is no connected method of presenting the facts to the public in general. It is learned that this, that or the other state is doing certain things, but there is no broad information regarding the interstate feature and what through highways through a number of states have been completed or are nearly completed.

It seems to me that if through some agency the Southern states would present their connected developments along these lines to the public at large it would strengthen the interest in Southern tours.

The South will find that if they educate the other sections of the country intelligently in these matters it will draw an

increasingly large amount of tourist travel, and will find itself acquiring wealth through this source.

I am satisfied that a great number of residents of the central states particularly would tour the South in winter just as consistently as they do the North in summer if they knew where to go and how.

Such maps as the states of Indiana and Illinois publish periodically, showing progress made with highway construction, would, if prepared and made public in a large way by the Southern states, tell a great many people what they are interested in learning.

I give this suggestion for what it is worth, and in the belief that the relatively small cost of such publicity would pay large dividends.

New Brick Plant Soon to Operate.

Van Buren, Ark.—The new plant being erected near Shibley's Switch by the Twin City Brick & Tile Co. of Van Buren is expected to be ready for operation by April 1. It is stated that large shale deposits are available for the manufacture of dry pressed brick, and that the company already has orders on hand awaiting the completion of the plant.

Oil Deal Said to Involve \$6,000,000.

Lexington, Ky.—It is announced here that the Swiss Oil Co. of this city has acquired properties of the Union Gas & Oil Co., operating in the Ohio Valley, with extensive oil and gas lands in Lawrence and Johnson counties, Kentucky, the transaction involving more than \$6,000,000. Senator Thomas Combs of Lexington represented the purchasers.

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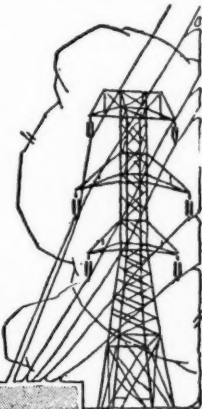
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We are interested in the purchase of
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Inquiries invited from municipalities and contractors.
We buy city, county, district, school, road, lighting,
water works and other municipal issues.

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WE BUY ALL CLASSES OF MUNICIPAL BONDS,
INCLUDING CITY, COUNTY, SCHOOL,
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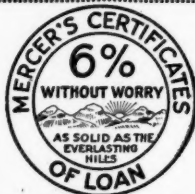
REAL ESTATE MORTGAGE BONDS

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ment houses, etc., in amounts of \$50,000 and upwards.
Entire issues city, county and district bonds pur-
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Southern Exports Should Go Through Southern Ports.

Charles W. Howard, manager of the Industrial Board, Chattanooga Chamber of Commerce, in a letter to the MANUFACTURERS RECORD says:

"For some time I have felt that the Southern roads working Southern ports were not exerting themselves as they should in keeping down port costs. There should be a differential in favor of Southern ports. It should be sufficiently great to overcome the usages of a century.

"Up until just a short time ago the exporter could only get his money through an Eastern seaboard city, and even now there are only certain foreign sections where this is not still the usage. The Southern banks have been slow to realize that Southern ports should wait on the departure of every dollar's worth of goods going out of this country, whether raw cotton or finished fabric. They have not, so far as I have been able to learn, been very diligent in their own and their clients' interest.

"It is clearly to the interest of Southern railways to aid in every conceivable way the movement of goods to Southern ports for export. There is scarcely a season of the year that a carload of export goods cannot make three round trips to a Southern port to one to an Eastern port. At certain seasons of the year a Southern car loaded for a New York dock is out of commission for weeks, sometimes for months. Strikes on the docks, congestion in getting the export to the

vessel side, all encourage delay, and the greater the movement to Southern ports the greater number of vessels we will have to care for it, and in addition to this, from my point of view, it brings the producer in more intimate touch with the export trade, an education that he greatly needs.

"You can accomplish a wonderfully worth-while thing if you will continue to hammer this one question of export.

"As I understand it, the differential in favor of North Atlantic ports provided for an added freight charge of 7½ cents per 100 pounds and 15 cents on cargoes through Gulf ports. These ports should be kept open, and that means the minimum charge of transporting from interior points to the port, and a minimum charge for dockage, loading, etc.

"The removal of this handicap should be an encouragement to Southern roads serving Southern ports to use them on exports originating on their different lines."

A bond issue in the amount of \$280,000 for the graded school district of Hendersonville, N. C., has been voted by a large majority. A. W. Honeycutt is superintendent and T. L. Durham secretary of the school board.

Bids will be received until February 24 by the Louisiana Highway Commission, Baton Rouge, for the construction of approximately 10 miles of gravel road in Sabine parish on the Many-Texas highway.



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close March 3, 1925.

SEALED PROPOSALS will be received by the U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., until 11 A. M. March 3, 1925, and then and there publicly opened, for the construction complete of a Storehouse at the U. S. Veterans' Hospital No. 92, Jefferson Barracks, Mo. The work will include excavation, concrete foundations, reinforced concrete floor and roof construction, tile walls and partitions, stucco, steel sash, steel and metal-covered doors, steel vault doors, steel shelving, built-up roofing, sheet metal, plumbing, heating and electrical work. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of a similar character and magnitude will be considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C., or to the Medical Officer in Charge, U. S. Veterans' Hospital No. 92, Jefferson Barracks, Missouri. Deposit with application of a check or postal money order for \$5.00, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening proposals. FRANK T. HINES, Director, February 2, 1925.

Bids close February 24, 1925.

SEALED PROPOSALS, marked "Proposal for Service Building, Memphis, Tenn.," will be received by the U. S. Veterans' Bureau, Room No. 791, Arlington Building, Washington, D. C., until 11.00 A. M. February 24, 1925, and then and there publicly opened, for the construction complete of a Service Building at U. S. Veterans' Hospital No. 88, Memphis, Tenn. The building will be of reinforced concrete with brick faced tile curtain walls, tile partitions, built-up roof, metal covered doors, steel sash, hand operated freight lift, plumbing, heating and electrical work. Plumbing fixtures will be

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PUBLICATION DAY: Thursday.

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DAY LETTER: When too late to send copy by mail to reach us by 4 P. M., Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

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supplied by the Government, but set and connected by the contractor. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room No. 791, Arlington Building, Washington, D. C., or to the Medical Officer in Charge at the above named station. Deposit with application of a check or postal money order for \$10, payable to the Treasurer of the United States is required as security for safe return of drawings and specifications within 10 days after date of opening proposals. FRANK T. HINES, Director, January 24, 1925.

Bids close February 20, 1925.

U. S. Engineer Office, Baltimore, Md. Sealed proposals will be received here until 1 P. M., Eastern Standard Time, February 20, 1925, and then opened, for dredging in Baltimore harbor and channels, Md. Further information on application.

Bids close March 12, 1925.

U. S. Engineer Office, Wilmington, N. C. Sealed proposals will be received here until 12 M. March 12, 1925, and then opened, for constructing one 80-foot by 26-foot by 5-foot steel barge. Further information on application.

Bids close February 20, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. February 20, 1925, and then opened, for furnishing all materials and laying built-up bituminous roofing for the power house of Wilson Dam, Tennessee River. Further information on application.

Bids close February 27, 1925.

OFFICE OF THIRD MISSISSIPPI RIVER DISTRICT, P. O. Box 404, Vicksburg, Miss. Proposals will be received here until 11 A. M. February 27, 1925, and then opened, for furnishing one stern-wheel steel-hull towboat. Further information on application.

Bids close March 5, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., February 4, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. March 5, 1925, for new mailing platform, etc., including incidental changes in the mechanical equipment of the United States Postoffice at Parkersburg, W. Va. Drawings and specifications may be obtained from Custodian at the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close March 2, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., February 3, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. March 2, 1925, for repairs to and completion of the Mechanical Equipment at the Immigration Station, Baltimore, Md. Drawing and specifications may be obtained from the Custodian of the Station at Baltimore, Md., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close March 2, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., February 3, 1925. **SEALED PROPOSALS** will be opened in this office at 3 P. M. March 2, 1925, for Miscellaneous items of Repair, Restoration and Completion (including removal of certain temporary structures, reroofing, exterior and interior painting, etc.), at the United States Immigration Station, Baltimore, Md. Drawings and specifications may be obtained at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close February 27, 1925.

\$200,000 5% County Bonds

Lancaster, S. C.
Sealed bids will be received by the Board of County Commissioners of Lancaster County, S. C., at their office in Lancaster, S. C., up to 11 o'clock A. M. February 27, 1925, for an issue of \$100,000 5% County Coupon Bonds, to bear date July 1, 1925, and to mature as follows: \$1000 in TWO years, \$24,000 in FIVE years, \$25,000 in TEN years, \$25,000 in FIFTEEN years and \$25,000 in TWENTY years.

Sealed bids will also be received during the same time and at the same place for an issue of \$100,000 5% County Coupon Bonds, to bear date January 1, 1926, and to mature as follows: \$50,000 in TWENTY-FIVE years and \$50,000 in THIRTY years.

Bids on the two issues to be made separately and each bid accompanied by a certified check for \$1000, payable to T. L. Hilton, County Treasurer.

These bonds are authorized by an Act of the Legislature of South Carolina, at its 1924 session, and by a favorable vote thereon of the qualified electors of Lancaster County, the proceeds to be used in the construction of permanent bridges and culverts.

Said bonds to be issued in denominations of One Thousand (\$1000) Dollars, to be exempt from all State, County, School and Municipal taxes; to bear interest at the rate of 5% per annum, payable semi-annually, and to be secured by a pledge of the full faith, credit and resources of the County of Lancaster, as well as by a specific tax levy upon the taxable property of said county to pay the interest coupons as they become due, and to create a Sinking Fund to retire the bonds at maturity.

All bids should be sealed and addressed to "T. Y. Williams, Chairman of County Commissioners, Lancaster, S. C." and must be received by 11 o'clock A. M. February 27, 1925.

The right to reject any or all bids is reserved.
BOARD OF COUNTY COMMISSIONERS OF LANCASTER COUNTY.
By T. Y. WILLIAMS, Chairman.

Bids close February 20, 1925.

\$250,000 6% Bonds

Ormond, Fla.
Sealed proposals will be received by the undersigned, the Town Clerk of the Town of Ormond, Florida, until 11 o'clock A. M. FEBRUARY 20, A. D. 1925, for the following issues of bonds of said town:

\$130,000 "Ormond Village Zone Paving and Drainage Bonds of 1924," dated December 1, 1924. Due \$5000 December 1 each year, 1929, 1948, inclusive, and \$6000 December 1 each year 1949, 1953, inclusive. Interest payable semi-annually on December 1 and June 1 of each year at six per cent per annum. Denomination \$1000 each.

\$45,000 "Ormond Village Zone Water Works Distribution System Bonds of 1924," dated December 1, 1924. Due \$1000 December 1 each year, 1929, 1933, inclusive, and \$2000 December 1 each year, 1934, 1953. Interest payable semi-annually on December 1 and June 1 of each year at six per cent per annum. Denomination \$1000 each.

\$75,000 "Water Works Bonds," dated December 1, 1924. Due \$3000 December 1 each year, 1929, 1953, inclusive. Interest payable semi-annually on December 1 and June 1 of each year at six per cent per annum. Denomination \$1000 each.

All of said issues of bonds have been validated by decree of the Circuit Court of the Seventh Judicial Circuit of the State of Florida, in and for Volusia County.

Bidders must bid on each of the above issues separately.

Both principal and interest on all said issues payable at the Bank of Ormond, Fla., The National Bank of Commerce of New York, State of New York, or at the Mer-

chants Bank & Trust Company, Daytona, Fla., at the option of the holder thereof.

Each proposal must be accompanied by cash or a certified check from an incorporated bank or trust company in the State of Florida, payable to the order of John W. Robinson, Town Clerk, for one per cent of the par value of the bonds bid for. The check of the successful bidder to be retained by the town as security for the completion of the contract of sale by the purchaser, and checks of all unsuccessful bidders to be forthwith returned.

These authorized issues of bonds to be sold subject to the approving opinion of John C. Thomson of New York City, New York, to be furnished by the Town of Ormond, Florida.

The right to reject any and all bids is hereby reserved.

It is requested that no bids be made except on the form provided by the Board of Managers of the Town of Ormond, which form will be supplied by the undersigned upon request.

For further information address the undersigned.

JOHN W. ROBINSON, Town Clerk.

Bids close February 17, 1925.

\$500,000 4 1/4% School Bonds

Cumberland, Md.
Sealed bids will be received by the County Commissioners of Allegany County, Maryland, at their office in the Courthouse, Cumberland, Maryland, until 11 A. M. February 17, 1925, for an issue of Allegany County Bonds, known as "ALLEGANY COUNTY SCHOOL BOND ISSUE OF 1923," amounting to Five Hundred Thousand (\$500,000) Dollars.

Bids may be for part or all of the issue. Certified check for 5% of the amount bid must be deposited with any bid for said bonds as security for compliance with bid.

The bonds are authorized by Chapter 234 of the Acts of the General Assembly of Maryland of 1922, and bear interest at the rate of 4 1/4% per annum and will be issued in denominations of \$100, \$500 or \$1000 each, purchaser to decide, and payable at Fifty Thousand (\$50,000) Dollars on the first day of July, 1946, and a like series to the amount of Fifty Thousand (\$50,000) Dollars on the first day of July in each and every year thereafter until all of the said bonds of said issue have been redeemed.

Interest, payable semi-annually, represented by interest coupons attached to said bonds. Bonds are exempt from state, county and municipal taxation in Maryland.

FINANCIAL STATEMENT OF ALLEGANY COUNTY.

Assessable basis	\$83,777,244.31
Bonded indebtedness (not including this issue)	1,490,000.00
No floating debt.	

Address all bids to the County Commissioners of Allegany County, Cumberland, care of Thomas P. Richards, Clerk, marked "BIDS FOR BONDS." Further information can be obtained from the Clerk.

By order of the County Commissioners of Allegany County, Maryland.

HENRY A. BACHMAN, President.
THOMAS P. RICHARDS, Clerk.

Bids close February 20, 1925.

Road and Bridge Construction

OFFICE OF THE STATE ROAD DEPARTMENT.

Tallahassee, Fla., January 19, 1925.

Sealed proposals will be received at this office until 12 o'clock noon on the 20th day of February, 1925, for the construction of the following projects:

Federal Aid Project No. 46—Nassau County, Road No. 3, from the St. Mary's River to a point south of Yulee, approximately 11.52 miles in length. Work to consist of clearing, grubbing, grading and the necessary drainage structures.

Federal Aid Project No. 421—Nassau County, Road No. 3, being a bridge across the St. Mary's River between Florida and Georgia, composed of one 200-foot Steel Draw Span, two 80-foot Low Truss Steel Spans, six 33-foot Concrete Deck Girder Approach Spans.

All work to be done in accordance with plans and specifications of the State Road Department.

A certified check or bidder's bond, made payable to the Chairman of the State Road Department in the sum of five (5%) per cent of the amount bid, must accompany each proposal.

Plans may be examined at this office or at

the office of the Division Engineer, or may be obtained upon application to this office for the sum of \$5.00 each, which amount will be refunded if plans are returned in good condition by a bona fide bidder within 10 days after bids have been received.

The right is reserved to reject any or all bids.

H. B. PHILIPS, Chairman.
J. L. CRESAP, State Highway Engineer.

Bids close March 5, 1925.

Viaduct

OVER A. C. L. R. R. AND SOUTHERN RAILWAY TRACKS AT FIVE MILE NEAR CHARLESTON, S. C.
SANITARY AND DRAINAGE COMMISSION OF CHARLESTON COUNTY.

Charleston, S. C.
Bids will be received until 12 o'clock noon Thursday, March 5, 1925, at the office of the Sanitary and Drainage Commission, 39 Broad street, Charleston, S. C., for the construction of a viaduct over the A. C. L. R. R. and Southern Railway tracks at Five Mile near Charleston, S. C.

The work to be done consists of the construction of a 689-foot reinforced concrete viaduct.

APPROXIMATE QUANTITIES.

1,256	cu. yds. Class AA Concrete.
658.2	cu. yds. Class A Concrete.
460.3	cu. yds. Class B Concrete.
350,700	pounds Reinforcing Steel.
7,076	pounds Iron Castings.
1,377	lin. ft. Concrete Railing.
1,928	sq. yds. Rock Asphalt Paving.

Proposals must be accompanied by a certified check for Two Thousand Dollars (\$2000), made payable to the Chairman of the Sanitary and Drainage Commission of Charleston County. Bid bonds will not be accepted.

Plans, specifications and proposal forms are on file at the offices of the Sanitary and Drainage Commission of Charleston County, 39 Broad street, Charleston, S. C. Plans will be furnished at the above address upon request, accompanied by a check for \$5.00, and no refunds will be made for plans returned.

Bids close February 27, 1925.

Bridges and Culverts

Lancaster, S. C., February 4, 1925.
Sealed proposals will be received by the County Board of Commissioners at Lancaster, South Carolina, until 11 A. M. on the twenty-seventh (27th) day of February, 1925, at the office of the Commissioners, at which time all proposals will be publicly opened and read for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of concrete bridges and culverts. The following is a list of concrete bridges and culverts proposed to be let at this time:

1—8 ft.x8 ft. Reinforced Concrete Box Culvert.
1—8 ft.x5 ft. Reinforced Concrete Box Culvert.
1—Reinforced Concrete Deck Girder Bridge, 40-ft. span.
3—Reinforced Concrete Deck Girder Bridges, two 30-ft. spans in each bridge.

Approximate total quantities in the bridges are:

734 cubic yards of Concrete.

94,000 pounds Reinforcing Steel.

Plans and specifications are on file at the office of the Commissioners, Lancaster, South Carolina, and at the office of the Engineers, and will be mailed upon application, accompanied by check for \$20, one-half of which will be returned upon return of plans and specifications.

Each bid must be accompanied by a certified check to the amount of 5% of the bid and not less than \$250, payable to the Treasurer of Lancaster County, South Carolina, without recourse.

Each bid must be placed in a sealed envelope, endorsed on the outside proposal for BRIDGES AND CULVERTS. The county prefers to let the entire work in one contract, but reserves the right to waive technicalities and let the work in parts to separate bidders for labor and materials, or let such parts of the work as is considered to be the best interests of the county and reserves the right to reject any or all bids.

T. Y. WILLIAMS, Chairman.
JOHN R. FAILE, Clerk.
THE CAROLINA ENGINEERING CO.,
Engineers, 917-919 Johnston Building,
Charlotte, North Carolina.
G. H. BISHOP, Consulting Engineer.

Bids close March 3, 1925.

Street Improvements

Ocala, Fla.

Sealed proposals will be received by the City of Ocala, Florida, until 8 o'clock P. M. March 3, 1925, for the improvement of certain streets by grading, paving and otherwise improving.

The City Council will sit at this time for the purpose of opening and publicly reading any and all proposals submitted. This improvement comprises about 200,000 square yards of paving.

Copy of specifications, together with proposal sheet, may be obtained by depositing \$10 therefor, which amount will be returned when the proposal is submitted.

EDWARD DRAKE, City Manager.

Bids close March 2, 1925.

Sewers

Vero, Fla.

Sealed proposals will be received by the City Council of the City of Vero, Florida, at the City Hall until 8 P. M. March 2, 1925, at which time they will be publicly opened and read, for the following work:

- 550 lin. ft. of 18-inch pipe sewer.
- 2,800 lin. ft. of 15-inch pipe sewer.
- 2,732 lin. ft. of 12-inch pipe sewer.
- 5,776 lin. ft. of 10-inch pipe sewer.
- 27,908 lin. ft. of 8-inch pipe sewer.
- 1,376 lin. ft. of 6-inch pipe sewer.
- 24 lin. ft. of 18-inch cast-iron sewer.
- 44 lin. ft. of 8-inch cast-iron sewer.
- 100 lin. ft. of 6-inch cast-iron sewer.
- 8 concrete piers.
- 12 lamp holes.
- 137 manholes.
- 2 sewage pumping plants.

The city reserves the right to reject any or all bids, and to waive any or all technicalities in awarding the contract.

All bids must be upon the blank forms provided in the Proposal, Specifications and Contract.

Each bid must be accompanied by a certified check for 5% of the amount of the bid, and the contractor must provide a construction bond for 100% of his bid.

Plans, specifications and form of contract and bond may be examined at the office of Carter & Damerow, Engineers for the City of Vero, Florida, or sets may be obtained from them by making a deposit of Twenty-five Dollars (\$25), Fifteen Dollars (\$15) of which will be refunded on their return within fifteen (15) days following the date of opening bids.

B. T. REDSTONE, Mayor.

HAROLD G. REDSTONE, Clerk.

Bids close March 10, 1925.

Paving and Sewers

Sealed proposals will be received by the Board of Managers of Ormond, Florida, until 11 o'clock A. M. on the tenth day of March, 1925, at the Town Hall for the furnishing of materials and construction of approximately 66,000 square yards of brick, concrete or bituminous pavements, with the necessary curb, gutter and appurtenances; approximately 23,000 lineal feet of storm drains, 30-inch to 10-inch, with accessories; 7000 lineal feet of 6-inch sanitary sewer laterals, all complete and in accordance with plans and specifications at the office of the Engineer and the Town Clerk.

Bids will be received on the whole or any section of the work.

Plans and specifications may be examined at the office of Clerk at the Town Hall, Ormond, Florida, or at the office of the Engineer, New Smyrna, Florida. Copies of the specifications may be obtained from above places upon receipt of deposit of Five (\$5) Dollars, which will be returned on bona fide bid. Copies of plans may be obtained on the payment of Twenty-five (\$25) Dollars.

Each bidder must accompany bid with a certified check for an amount not less than five (5%) per cent of the amount bid, drawn to the order of the Town of Ormond.

A bond in the sum of twenty-five (25%) per cent of the amount of the contract with satisfactory surety executed through Ormond, Florida agency, will be required for the faithful performance of the work.

The right is reserved to reject any and all bids in whole or in part.

BOARD OF MANAGERS.

GEORGE N. RIGBY,

Mayor of Town of Ormond, Florida.

DARREL P. CARNELL,

S. S. PICKETT,

JOHN W. ROBINSON, Clerk.

N. A. HOTARD, Engineer.

Bids close March 4, 1925.

Paving and Sewers

Mobile, Ala.

Sealed proposals will be received by the Board of Commissioners of the City of Mobile, Alabama, for Street Paving, Concrete Curbing and Storm Sewers as follows: Bids will be received until noon Wednesday, March 4, 1925. The right is reserved to reject any or all bids.

Plans, profiles and specifications can be seen at the office of the City Engineer.

STREET PAVEMENT.

Asphaltic Concrete	50,369 square yards
Concrete Curbing	36,304 lin. ft.
Sheet Asphalt or Warrenite Bitulithic	13,450 square yards
Concrete Curbing	3,850 lin. ft.
One-course Concrete Pavement	34,576 square yards
Concrete Curbing	22,212 lin. ft.

STORM SEWERS.

6-inch pipe	4,840 ft.
10-inch pipe	6,746 ft.
12-inch pipe	11,145 ft.
15-inch pipe	10,510 ft.
18-inch pipe	10,730 ft.
20-inch pipe	1,310 ft.
24-inch pipe	330 ft.
Inlets	291
Manholes	93
Special Basins	141

GEO. E. CRAWFORD,

Commissioner of Streets.

WRIGHT SMITH, City Engineer.

Bids close March 10, 1925.

Waterworks Construction

Ormond, Fla.

Sealed proposals for the construction of a water-works system, embracing eight-inch drilled wells, structural steel and masonry pumping station, motor-driven centrifugal pumps, gasoline engine-centrifugal pump stand-by unit, low-pressure, motor-driven air compressor, reinforced concrete water-softening plant, elevated steel tank, generating unit of approximately 150 horsepower, the following approximate piping-system materials: 40,000 feet 6-inch, 7000 feet 8-inch and 17,000 feet 10-inch cast-iron pipe, 25 tons of fittings, 50 two-way fire hydrants and 4 three-way hydrants, 90 6-inch gate valves, 30 8-inch and 40 10-inch, 15,000 feet 1½-inch galvanized steel service mains and all accessories, together with complete pumping-plant equipment and other water-works accessories, including oil filter, oil tanks, waste cans, tapping machine and stock of water-works materials, brass goods, meters, pipe, fittings, valves, accessories and tools, will be received by the Board of Managers of the Town of Ormond, Florida, until 11 A. M. Tuesday, March 10, at the Town Hall, Ormond.

Plans and specifications may be seen at the offices of the Town Clerk and the Zone Manager at Ormond, and at the office of the Engineers, 112 Baker street, Daytona, Fla., the complete documents being procurable from the Engineers by depositing twenty-five dollars or any specific portion thereof for ten dollars, three-fifths of which deposits are refundable to bona fide bidders and one-fifth to non-bidders, upon the prompt return of the instruments in good condition.

The usual rights of award, rejection and waiver are reserved.

DARREL P. CARNELL,

Chairman of Board of Managers.

JOHN W. ROBINSON, Town Clerk.

MAIN ENGINEERING CO., Engineers,
Daytona, Florida.

Bids close February 25, 1925.

Electric Light and Waterworks Improvements

Mansura, La.

Sealed bids will be received by the Mayor and Board of Aldermen of the Town of Mansura, La., at their regular meeting place until the hour of 10 A. M. of the day of February 25, 1925, for the following:

One 50 H.P., one 100 H.P. Crude Oil Engines, directly connected alternators and Power Pump 500 gallons per minute.

Two Exciters, motor-driven Air Compressor, motor-driven Centrifugal Pump, 8-inch Tubular Well, 68,000-gallon Concrete Reservoir, 50,000-gallon Elevated Tower and Tank, Cast-iron Pipe Mains and Specials, Valves, Hydrants and usual Galvanized House Connections, etc.

Complete Pole Line material, Transformers and Meters, etc.

Proposals must be marked in RED LETTERS "Proposals for Light and Water-Works Improvements." All bids must be

upon blank forms provided in the specifications.

Each bid must be accompanied by a certified cashier's check (bidder's bond not acceptable) in amount of 7% of the amount of bid: No amount less than \$150 will be received. This amount is to be deposited as evidence of good faith.

Plans and specifications will be on file at the office of the Town Clerk, Dr. H. J. Siess, at Mansura, La., and at the office of the Engineer, F. P. Joseph, Glenmora, La.

Copies of the plans and specifications, form of proposal, etc., may be obtained from the Engineer for the sum of \$7.50, which amount is not refundable, and shall apply to cover the cost of same.

The right is reserved to reject any and all bids, waive any and all formalities or to accept any bids which in the opinion of the Board of Aldermen will best serve the interests of the municipality.

ARTHUR J. ESCUDE, Mayor.

DR. H. J. SIESS, Clerk.

F. P. JOSEPH, M. E., Consulting Engineer,
Glenmora, La.

Bids close February 18, 1925.

High School Group

Mobile, Ala.

Sealed proposals will be received until 12 o'clock noon, February 18, 1925, at the office of the Board of School Commissioners, Mobile County, Mobile, Ala., for the erection and completion of certain portions of proposed High School Group, to be located on the High School property west of Carlin street, in the City of Mobile, State of Alabama, according to plans, specifications and details formulated and prepared by George B. Rogers, Architect, Mobile, Ala., and Perkins, Fellows and Hamilton, Chicago, Ill.

To insure consideration each bid must be accompanied by a certified check in the amount of five per cent (5%) of the bid submitted. This certified check to be on a national bank or state bank, and made payable to the Board of School Commissioners of Mobile County, State of Alabama, as a guarantee of good faith, in that the contractor will enter into a contract and will make an acceptable bond to the Board of School Commissioners for fifty per cent (50%) of the contract price for the faithful performance of the work, in accordance with the plans and specifications. The bond required must be filed with the Board of School Commissioners within ten days after award of contract. This check is to be forfeited as reasonable liquidated damages in case the contractor fails or refuses to sign contract and make bond within the time stipulated above.

The contractor will be permitted to file with his bid, and in lieu of certified check, a bid bond in the amount of five per cent (5%) of the amount of his bid, in which case such bond shall be furnished by a regular bonding company acceptable by the Owners.

Separate bids will be received on general contract, and on plumbing, heating and electrical work, and such other portions as may be determined later.

Architect will furnish proposal blanks to each bidder; also form of bond that will be required, and bidders must file proposal blanks in the proper manner to have such bids considered.

The work covered by the plans and specifications must be completed on or before September 1, 1925, and the contractor must be prepared to sign contract.

Plans, specifications and details are on file and may be obtained at the office of George B. Rogers, Architect, 1007 Van Antwerp Building, on or after January 21, 1925, upon payment of twenty-five dollars (\$25) for each set of plans and specifications.

Sub-contractors may have access to the plans on file at the Architect's office, or Builders' Exchanges in New Orleans, Memphis and Atlanta.

The plans and specifications must be returned to the office of the Architect on or before the date and hour set for the receiving of the bids, and upon their receipt in good condition the above payment will be refunded. This deposit of \$25 for plans and specifications will be forfeited in case plans and specifications are not returned as set forth in the above, or, in the event that damaged sets of plans and specifications are returned.

The Board of School Commissioners of Mobile County reserves the right to reject any and all bids, and to waive any informality in filing of any bids.

BOARD OF SCHOOL COMMISSIONERS,
Mobile County, Alabama.

By S. S. MURPHY, Superintendent.

Bids close February 20, 1925.

School Building

Elkins, W. Va.
Plans and specifications are now ready for the construction of a high school building and the remodeling of the River Street school building, to be erected in the City of Elkins, Randolph County, West Virginia.

Bids will be received up until 12 o'clock noon Friday, February 20, 1925, at the office of the Superintendent of Schools, Elkins, W. Va.

Contractors who desire to submit a proposal may communicate with the offices of Frampton & Bowers, 412-414 Eleventh street, Huntington, W. Va., or P. O. Box 637; plans and specifications for these buildings will be sent to contractors upon receipt of \$25. Same will be refunded when plans and specifications have been returned to this office.

FRAMPTON & BOWERS, Architects,
412-414 Eleventh street,
Huntington, W. Va.

Bids close March 10, 1925.

Street Signs

Greensboro, N. C.
Sealed bids will be received by the City Council of the City of Greensboro, North Carolina, until 2.15 o'clock P. M. Tuesday, March 10, 1925, for the furnishing of street signs, and then publicly opened and read.

The bids shall be for furnishing 2500 double-faced signs or 5000 single-faced signs, together with brackets. The standard other than the bracket to be furnished by the city and signs to be erected by the city.

The total number of different street names involved is 588. Street, Avenue, Road, etc., to be abbreviated, but the name of street to be spelled out.

A sample of the sign in four-way assembly, including bracket, must be submitted and all bids must be accompanied with complete specifications and date of completion of order must be stated in the proposal. All quotations to be f. o. b. Greensboro.

All bids must be marked on the outside "Proposal for furnishing street signs" and addressed to P. C. Painter, City Manager, City Hall, Greensboro, N. C.

The city reserves the right to reject any or all bids.

P. C. PAINTER, City Manager.

Cleaning and Pointing Court House

WANTED—Sub-contractors to bid on cleaning and pointing stone courthouse. Apply
King Lumber Company, Charlottesville, Va.

Bids close March 3, 1925.

Bituminous Material**STATE HIGHWAY COMMISSION**

Richmond, Va., February 7, 1925.

Sealed bids will be received at the office of the State Highway Commission, State Office Building, Richmond, Virginia, until 10.30 A. M. Tuesday, March 3, 1925, for the following Bituminous Material:

1. FOR STATE SYSTEM IN APPROXIMATE GALLONS.
35,000 Hot Surface Treatment.
737,000 Cold Surface Treatment.
68,850 Joint Filler.
141,150 Gallons Cold Patch Material in barrel lots in carload shipments.
708,000 Gallons Cold Patch Material in tank car lots.
2. FOR STATE AID SYSTEM IN APPROXIMATE GALLONS.
173,590 Hot Surface Treatment.
513,443 Cold Surface Treatment.
138,500 Cold Patch Material in barrel lots.
3,000 Hot Patch Material in barrel lots.

This material will be applied by the State and County authorities.

Contracts for State System work to be made with the State Highway Commission. Contracts for State Aid work to be made with County road authorities in the respective counties in which the work is located.

Specifications are on file at the office of the State Highway Commission, Richmond, Va., and will be furnished prospective bidders on request.

A certified check for One Thousand (\$1000) Dollars, payable to the Treasurer of Virginia, must accompany each proposal.

The State Highway Commission reserves the right to reject any or all bids.

H. G. SHIRLEY, Chairman.
C. S. MULLEN, Chief Engineer.

Bids close March 5, 1925.

Incinerator

High Point, N. C.
Sealed proposals addressed to the undersigned will be received by the City of High Point, N. C. (population 25,000) for furnishing a complete incinerator of size and type sufficient to meet the needs of the city. It is desired that bidders furnish plans and details and bid on incinerator completely installed and ready for use.

As evidence of good faith every bid must be accompanied by a certified check for 5 per cent of the amount of bid, payable to the City of High Point.

A surety or other acceptable bond for the statutory amount will be required of the successful bidder to guarantee the proper execution of the contract for furnishing and erecting the incinerator.

The right is reserved to reject any or all bids.

By order of the City Council, this 5th day of February, 1925.

R. L. PICKETT, City Manager.

Bids close March 5, 1925.

Street Signs and Numbering Houses

High Point, N. C.
Sealed proposals addressed to the undersigned will be received by the City of High Point, N. C. (population 25,000), for installing Street Signs at every corner and numbering all houses.

Bids will be considered on various types of signs and posts.

Separate proposals for Street Signs and House Numbering are desired.

It is desired that bidders work out all details and submit proposals for Signs completely installed.

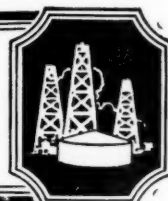
As evidence of good faith every bid must be accompanied by a certified check for 5 per cent of the amount of the bid, payable to the City of High Point.

A surety or other acceptable bond for the statutory amount will be required of the successful bidder to guarantee the proper execution of the contract for furnishing and installing the Signs.

The right is reserved to reject any or all bids.

By order of the City Council, this 5th day of February, 1925.

R. L. PICKETT, City Manager.

**CLASSIFIED OPPORTUNITIES****MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES**

MINERAL AND TIMBER LANDS, mineral deposits, various kinds; all kinds timber.

W. L. ENGLISH, Americus, Ga.

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

MINERAL AND TIMBER PROPERTIES WANTED

TO HEAR from parties having mineral properties for sale.

UNITED MINERALS CO., Roanoke, Va.

GRANITE QUARRY

FOR SALE OR LEASE—Extensively opened gray granite quarries, structural, paving and monumental materials, near Atlanta. Terms attractive. C. J. Haden (Owner), 517 Grant Building, Atlanta, Ga.

SPAR MINE

SPAR MINE in Western Kentucky for sale or lease. Two veins on 96 acres land.

MARK P. MALCOM,
Owner, Newark, Del.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

COAL AND TIMBER LAND

FOR SALE, in Eastern Kentucky, six miles from railway, 500 acres virgin timber and coal land; will sell timber or land and timber. Write Southern Machinery Exchange, Box 125, Somerset, Ky.

FOR SALE—About 9000 acres of coal and timber land, carrying Pocahontas coal, with 5000 acres of virgin timber on land accessible to Virginian & C. & O. Railroads. Analysis furnished. Address Box 248, Hinton, West Virginia.

COAL LANDS AND MINES

COAL, COAL, COAL—For sale: Three tracts—Pittsburg, 700, 2300, 2500 acres; Kattanning, 1600 acres; Sewickly Vein, 3 tracts, 1000, 3000, 3000 acres. Analysis furnished. Good terms. G. U. Balsley, 166 West Main street, Clarksburg, W. Va.

TIMBER AND TIMBER LAND

TIMBER FOR SALE—100,000 standing trees, white and chestnut, oak, poplar, pine, beech, hickory, sugar maple, gum, ash and many other varieties, located on head Licking River, Magoffin County. Accessible by water and railroad. Address

E. B. ARNETT, Salyersville, Ky.

FARM, FRUIT AND TRUCK LANDS**FLORIDA**

FLORIDA INVESTMENTS—Acreage tracts, timber tracts, subdivisions and hotel sites, any section in Florida. Some bargains with quick turnovers and large profits on small investments assured; 25 years' experience. ASK ANYBODY. N. D. SUTTLES & COMPANY, Jacksonville and West Palm Beach, Fla.

WE OWN 12,000 ACRES of Everglade Muck land. Soil over 10 feet deep. Adjoining lands now under cultivation. Sixteen miles of rock surfaced roads and navigable canals already constructed. This tract fronts on the Cross State Highway. For sale at an attractive price.

CONSOLIDATED REALTY COMPANY,
228 Clematis Ave., West Palm Beach, Fla.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

FLORIDA REAL ESTATE SERVICE.

I buy, sell, exchange, inspect and report upon properties in all parts of the state. My personal knowledge of the state covers many years and my facilities are the best. Perhaps I can serve you to advantage.
J. H. BRINSON, Tallahassee, Fla.

FLORIDA—Playground of the Rich; Paradise of the poor. The fastest developing State in the Union, and Roger Babson, the great business statistician, says that TAMPA is destined to be the greatest city in the Southeast. Come and be one of us. We have a Home, Grove or Farm for you. Send today for booklet, "Largest Orange Tree in the World," and list. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice, "Since before the war," Tampa, Fla.

BUSINESS OPPORTUNITIES

FOR SALE—Long-established engine and sawmill manufacturing business, including name, patterns and jigs. Are sold extensively in South. ARCADIA TRAILERS, Newark, New York.

BEST LOCATED paying investment here, sacrificed to settle estates; \$30,000 income (40%). Request full information. Jack White, Trustee, Box 822, Hot Springs, Ark.

FOR SALE—Patent burglar alarm or automatic signal. Can be manufactured for a very small cost. Many uses can be developed. Send for one of our circulars.
B. B. ISOM, Corinth, Miss.

I SPECIALIZE in industrial, warehouse and business sites at and adjacent to Washington, D. C.

M. B. HARLOW,
Harlow Building, Colorado Building,
Alexandria, Va. Washington, D. C.

HOTEL AND BUSINESS BLOCK SITE—For sale by owner, near the business heart of Tampa. This is the only available entire city square capable of present delivery; 210 x 210 feet. Alternative proposition of immediate delivery or delivery in 18 months on advantageous terms. Address P. O. Box 802, Tampa, Florida.

FAYWOOD HOT SPRINGS, N. M.
I can deliver the above well-known medicinal hot springs, situated approximately 20 miles from the Town of Deming, N. M., and 120 miles from El Paso, Texas, comprising a 50-room hotel, etc. Located on 680 acres of land for \$50,000 cash. With the wonderful all-year climate of this section, this property can be turned into one of the best sanatoriums or winter hotel resorts in the country. A. H. Blinberry, Box 827, El Paso, Tex.

FOR SALE—Electrical Merchandising, Electrical Engineering, Contracting and Supply Business located in one of largest cities in Virginia. Annual business of more than \$200,000. Doing small jobbing which could be tripled. All of business or part interest in business can be purchased. Present head of company wishes to retire on account of ill health. All inquiries strictly confidential. Address No. 6415, care of Manufacturers Record, Baltimore, Md.

FURNITURE OR ANY KIND OF FACTORY to work hardwood wanted in Crockett, East Texas, a modern city of 5000, where lumber, labor and fuel are plentiful and cheap. We own a factory site on railroad, 60,000 feet of dry lumber and some machinery, but need a man or company of ability and means to establish and operate it. Great opportunity for the right man. Business men will support a good proposition. Correspondence solicited. Address H. BROOKE, Crockett, Texas.

FOR RENT AS WHOLE OR WILL DIVIDE SHORT OR LONG TERM, WITH OPTION TO BUY.

4 3-Story Brick Factory Buildings, mill construction; 1 2-Story Brick; 1 2-Story Frame; 1 1-Story Frame; 1 Brick Boiler House, with 2 100 H. P. Boilers. Located on entire city block, 300 feet railroad loading platform on Norfolk & Western Railroad tracks. Connects with all railroads and steamships via Belt Line Railroad. Equipped with Grinnell Sprinkler System. Terms and full details as to sizes, etc., on request. Bosman & Lohman Company, Granby and N. & W. terminal tracks, Norfolk, Va.

COLLECTION

COLLECTIONS.
MERRIAM,
507 FIFTH AVENUE,
NEW YORK CITY.

CHEMICALS

WE BUY FOR SPOT CASH Surplus and Odd Lots of Chemicals, Oils, Dyes, intermediates, solvents, gums, glues, waxes and any item of a chemical nature.

REPUBLIC CHEMICAL CORP.,
303 Pearl Street, New York, N. Y.

FACTORY SITES

FOR SALE—Three hundred and sixty acres of land suitable for any kind of manufacturing plant; has railroad frontage and is adjacent to industrial population of city. We also have other railroad frontage at seven dollars per foot up. Gravely Brothers, Danville, Va.

FOR SALE—Two Flour Mill or other Factory Sites located in Staunton, Va. Connections with two R. R.'s. Water and Electric power **VERY LOW PRICE** for quick sale. For particulars apply at once to A. Lee Knowles, Real Estate, Staunton, Va.

TRACKAGE—Suitable for storage or factory site, in Springfield, the most rapid-growing city of the Ozarks; 1½ acres, centrally located, building 80x100 ft. Write at once.

BERRY-MITCHELL LAND AND LOAN CO.,
Box 393, S. S. S., Springfield, Mo.

COTTON-MILL SITE.

A farm, 825 acres, bordering city limits, Cedartown, Ga. The United States Dye Works has just completed a big plant here. On this farm is located a big, flowing spring estimated to flow 2,000,000 gallons of water or more per day. An ideal site for a cotton mill. This farm is located in a fine cotton-growing section and has ever been known for its strong and lengthy fiber. Ideal climate, plenty of white labor and reasonable location. Railroad facilities fine; Central of Georgia runs through this farm; N. & S., S. A. L. runs east and west 60 miles to Atlanta, Ga.

JOHN C. HAND, Cedartown, Ga.

RICHMOND, VA.—Come here now. Make a careful survey of the city and surroundings. See the advantages of the "Gate City" to the South. Unsurpassed facilities for transportation to all points; 5 trunk-line railroads to North, South, East and West. Ocean-going steamers direct from Richmond to New York, with New England connections. Richmond is close to coal fields and iron furnaces. Labor plentiful and most reasonable. Local, city and suburban transportation ample and convenient to factory and warehouse sections. We can offer sites, with or without trackage, and at reasonable prices. Talk to us about these.

RICHMOND TRUST COMPANY,
Real Estate Department.

INDUSTRIES WANTED

A. S. HAMMACK, Mayor,
Dayton, Virginia.

Locate in our town; good water, lights, power, splendid schools. In the heart of the Shenandoah Valley. The town will make splendid offer to parties seeking a location for industry.

RADFORD, VIRGINIA, offers ideal advantages for industrial enterprises, furniture factories, cotton mills, paper mills, veneer plants, etc. Low tax, plenty good labor, splendid train service and co-operation of city and citizens. Address City Manager for information.

SARDIS, GEORGIA, wants manufacturing plants. Chamber of Commerce will help plants secure location. Natural resources cotton, timber, turpentine and rich farming territory. Good location for cotton mills, spoke or handle factory or brick manufacturing. Farmers would co-operate on creamery and cheese factory. Address Secretary Chamber of Commerce, Sardis, Ga.

INDUSTRIAL PLANTS

FOR RENT OR LEASE—A well-equipped woodworking plant in a splendid town; two railroads, prosperous community; only woodworking plant in country. Communicate with J. E. Phillips & Co., Laurinburg, N. C.

FOR SALE—On favorable terms, well-equipped machine shop. Both building and real estate located in center manufacturing district, High Point, N. C. Apply **HILL VENEER COMPANY.**

If interested in buying
A SOUTHERN COTTON MILL
Write to

F. C. ABBOTT & COMPANY,
Charlotte, N. C.
26 years' experience in Southern Mill Stocks.

FOR SALE—Light plant in town of 1500, county seat, on railroad and state highway; plant in operation only 6 weeks; long-term franchise; everything new. Direct-connected oil engine unit, 120 customers on line to date, 120 more signed up; good chance for motor load, excellent chance for ice plant; none in county; 32 inland towns to draw from. Address No. 6423, care Manufacturers Record, Baltimore, Md.

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 644 G St. N. W., Washington, D. C.

PATENT-SENSE—"The book for Inventors and Manufacturers"—free on request. Lacey & Lacey, Patent and Trade-Mark Lawyers, 735 F St., Washington, D. C. Established 1869. Corporation References.

PATENTS—TRADEMARKS—COPYRIGHTS
Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our free Examination and Instructions. Highest references. Reasonable terms. **VICTOR J. EVANS & CO.,** 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chandlee & Chandlee, 412 Seventh St. N. W., Washington, D. C.

SITUATIONS WANTED

SUPERINTENDENT or foreman, age 47, married; 25 years' experience railroad and highways, desires position with contractor. Best of reference; go anywhere.

J. E. CLAYTON, Eminence, Ky.

AN EXECUTIVE of character and ability, experienced as factory manager, chemical engineer and cost accountant, wishes to make a suitable business connection. Will consider only high-class proposition. Address B. B. Arnold, 303 North Allen avenue, Richmond, Va.

TRAFFIC MANAGER, INDUSTRIAL—Manufacturers and distributors requiring the services of a competent traffic man, thoroughly qualified to handle all traffic problems and assume full charge and responsibility, may get in communication with experienced railway traffic man with these qualifications by addressing No. 6410, care of Manufacturers Record, Baltimore, Md.

MEN WANTED

A PUMP MANUFACTURER, building a line of centrifugal pumps well advertised and having a national reputation, has several openings in Virginia, Kentucky and the South, as well as the Southwest, for energetic representatives. When replying state training and other line handled and territory covered, if selling at present time. Replies treated confidentially. Address No. 6422, care of Manufacturers Record.

MEN WANTED

REPRESENTATIVES WANTED—Large Manufacturer of Crushing, Grinding and Shredding equipment wishes sales connections in several Southern cities. Product is sold to feed mills, quarries, cement plants, lumber and all industrial plants. A strictly high-class proposition. Commission only. Territory given after ability is demonstrated. Write fully, including territory preferred. Address No. 6424, care Manufacturers Record, Baltimore, Md.

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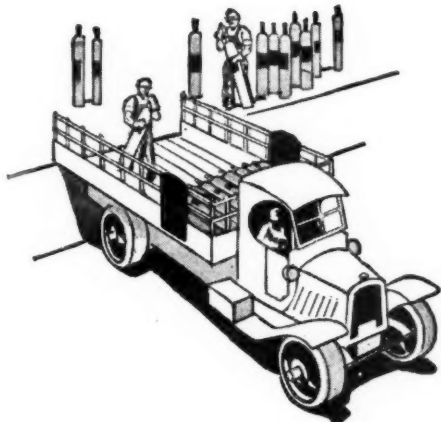
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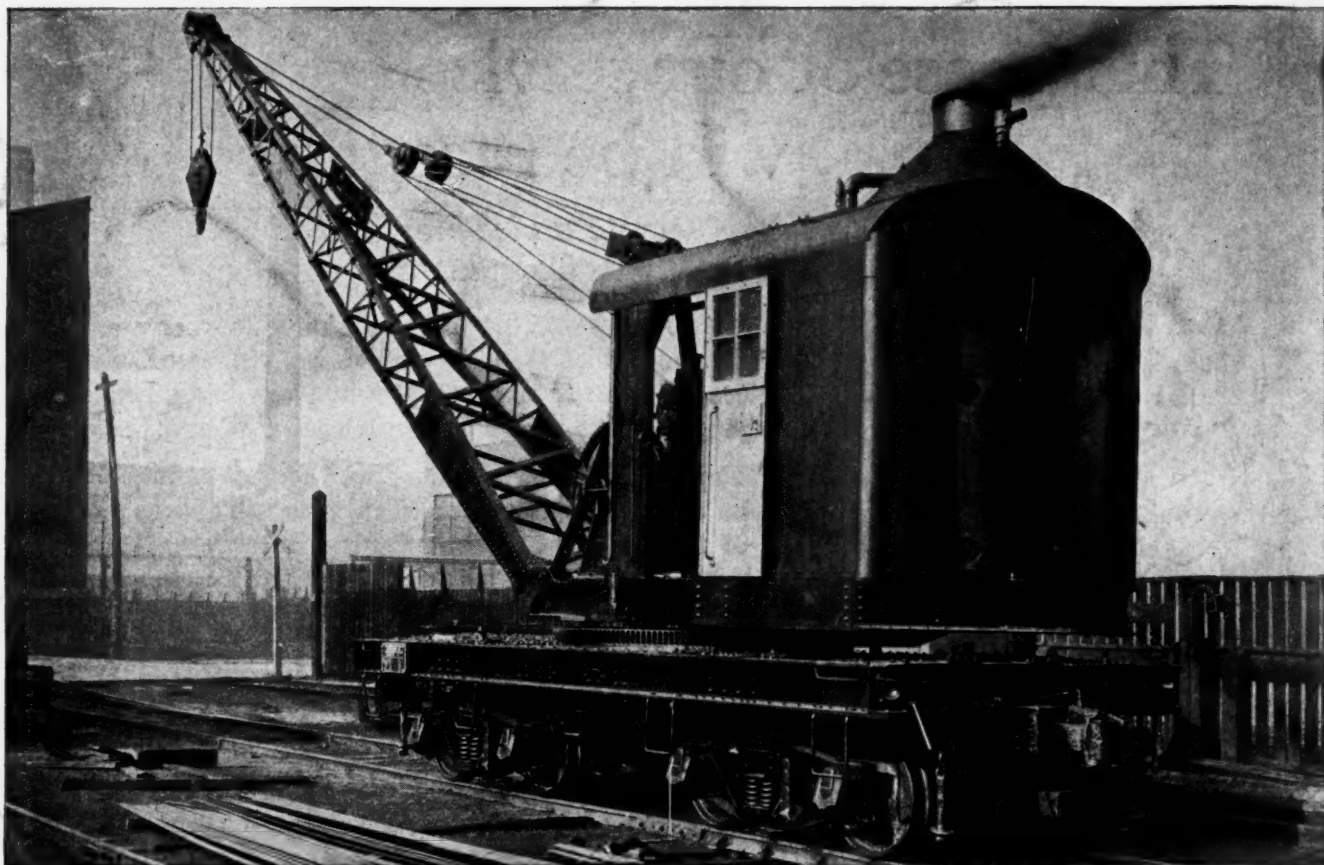
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